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# HASKELL

## IMPLEMENT & SEED CO.

19 *Catalog* 20



LEWISTON-MAINE

200  
MAIN ST.



UNION  
SQUARE



# **READ CAREFULLY BEFORE ORDERING**

All prices in this catalogue, owing to uncertain market conditions, are subject to change without notice. Should we be required to replace the merchandise we now have on hand (listed in this catalogue) on present market, there would have to be a higher price than our catalogue price to the purchaser. On the other hand, should such a condition exist that replacement reduced the cost to us, we will gladly reduce in proportion, the price to our customers. This policy applies to all grain, grass, vegetable and flower seeds as well as all other items quoted herein. WE DELIVER all Vegetable and Flower Seeds when bought at the packet, ounce, or 1/4 pound prices, but when seeds ordered are listed in pounds, postage should be added at the rate of 6 cents per pound. Each additional pound add 1 cent. In all other cases goods will be SHIPPED F. O. B. LEWISTON.

No charge for packing, unless otherwise stated. Bags will be charged for as follows: 2 bushel bags, 60 cents; 1/2 bushel bags, 25 cents; peck bags, 20 cents; 1/2 peck bags, 15 cents.

We give no warranty expressed or implied, as to description, quality or productiveness of our seeds, and in sending them out, will in no way be responsible for crops or lack of satisfactory product from our seeds. If the purchaser does not accept the goods on these terms, we must be notified at once, when we will give full instructions for disposition of such goods. This is the invariable rule of reliable business houses.

We do, however, purchase our seeds from reputable growers and employ every means, taught us from years of successful dealing in seeds, to insure proper grading and purity. Seeds are tested by our experts before offering them for sale, so we are as reasonably sure of their germination as nature and science permits of assurance.

## **PARCEL POST INFORMATION ON PAGE 11**

NOTE—We would deem it a great favor if our customers, or those wishing to remain on our mailing list, thereby receiving our catalogue, would inform us of change in address.

# **Haskell Implement & Seed Co.**

**Union Square**

**LEWISTON, MAINE**

New England Telephone

Private Line 27



# Haskell Implement & Seed Co.

## 1920 CATALOGUE

of

*Choice Farm, Garden and Flower Seeds  
Agricultural Implements*



Dairy and Poultry Supplies, Wooden Ware, Hardware  
Galvanized Ware, Brooms, Brushes, Fencing  
Garden Seeders and Cultivators, Pumps  
and Spraying Outfits, Paints, Oils  
Automobile Tires, Etc.

### **"THE FURROW"**

If you will send us your name and address we will send you The Furrow FREE for one year. This is a paper published in the interest of better farming and contains much useful information on farming and soil culture, also valuable Household Hints for the housewife with a lot of entertaining reading for the younger members of the family.

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Quality—Service—Worth

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## HASKELL IMPLEMENT & SEED COMPANY

UNION SQUARE—LEWISTON, MAINE

# CHOICE FLOWER SEEDS--General List



**M**OST flowering plants will live in almost any soil, but to give them a fair chance to develop, some care should be taken to make the ground suited to their needs. The soil best adapted for flowering plants generally is a light, friable loam, containing a sufficient amount of sand to render it porous. Many flowers are better if produced on plants of vigorous growth, hence a portion of the garden should be prepared by deep digging, thorough pulverization and liberal enriching with large quantities of well-rotted manure. Since some other varieties produce the largest and finest colored flowers when grown on rather light, poor soil, a portion of the garden should not be enriched. While some seeds need special treatment, the following general rules will apply to all. Make the surface of the soil as fine, smooth and level as possible; do not plant when the ground is wet; cover each lot of seeds to a uniform depth, which should not be more than four to six times the diameter of the seed; press the soil firmly over the seed; plant in rows so that the starting plants can be seen easily; thin out the young plants to prevent crowding and keep entirely free from weeds.

**POSTAGE PREPAID ON ALL FLOWER SEEDS IN PACKETS AT PRICES QUOTED**

## SPECIAL INDUCEMENTS

When the money accompanies the order, purchasers of Seeds in packets at catalogue prices may select **25 CENTS' WORTH EXTRA PACKETS FOR EACH \$1.00 SENT**. Thus anyone enclosing \$1.00 **MAY ORDER SEEDS IN PACKETS AMOUNTING TO \$1.25**. Two dollars sent to us with the order will pay for seeds **IN PACKETS** amounting to \$2.50 and so on. This offer does **NOT** include seeds in collections by weight or measure, bulbs, plants, or anything **EXCEPTING SEEDS IN PACKETS**.

Plants are generally known and described as Annuals, Biennials, and Perennials. The term annual is applied to plants which flower and ripen their seeds the same season. Hardy annuals are those which may be sown in the open ground. Half hardy annuals are those which should be started in the house and transplanted to the garden. The term biennials is applied to plants which flower the second season after planting and then perish. The term perennial to plants which flower the second season after planting, and continue to flower year after year.

**ADONIS.** Showy, popular border flowers, remaining a long time in bloom.

**Aestivalis.** "Flos Adonis." Flowers scarlet. Hardy annual. 1 ft. **Pkt., .05**

**AGERATUM.** (Floss-Flower.) hA. Blossoms continually throughout the summer. Highly prized for bedding out, and valuable for winter blooming indoors.

**Imperial Dwarf.** Dark blue. 9 in.; good for edging. **Pkt., .05**

**ALSSYUM.** Very hardy, free blooming dwarf plants, all varieties growing freely in common soil. The pretty, fragrant flowers are much prized for bouquets; excellent for the summer garden.

**Saxatile Compactum.** Yellow flowers; fine for borders. Perennial. **Pkt., .05**

**Little Gem.** White. They grow but three or four inches in height, very compact, of spreading growth, each plant often forming a circle a foot in diameter. **Pkt., .05**

**AMARANTHUS.** Ornamental foliage. Very striking and effective decorative plants. Sow early and set out young plants early in June. Annual.

**Tricolor.** Mixed—Carmine scarlet, splendid variety. 4 to 5 feet. **Pkt., .05**

**ANTIRRHINUM.** (Snapdragon) Beautiful, hardy, free blooming plants for summer and fall. Flowers the first year from seed as annuals and should be treated as such. Average height, 1½ feet.

<b>Crimson</b> .....	<b>Pkt., .05</b>
<b>White</b> .....	<b>Pkt., .05</b>
<b>Finest Mixed</b> .....	<b>Pkt., .05</b>



Alyssum



# ASTER

One of the very best  
Annuals for cut-flowers

The Aster is of easy culture and very popular. Plants from seed sown in the open ground in May bloom finely in September and October. For July and August flowers sow in March or April in cold frame, spent hot-bed, or in pots or boxes in the house. Cover the seeds about half an inch deep with rich, light soil, and when the plants have three or four leaves transplant about 18 inches apart each way into well prepared beds. Manures too fresh or used in too large quantities sometimes induce disease in Asters. When used they should be thoroughly well decayed and mixed with the soil. Small quantities of slaked lime or fresh wood-ashes stirred into the surface of the Aster beds form good tonics for the plants and keep disease and insects from the roots.

## Tall Varieties

**AMERICAN BRANCHING.** A free growing Aster of robust, erect habit, producing large, feathery blossoms resembling Japanese Chrysanthemums; one of the finest for cutting. Height 3 feet.

Crimson .....	Pkt., .10
Dark Blue .....	Pkt., .10
Lavender .....	Pkt., .10
Rose .....	Pkt., .10
White .....	Pkt., .10
Finest Mixed .....	Pkt., .10

**SEMPLES BRANCHING.** A superior and free flowering class. The flowers are large with graceful, wavy petals on long stem. Excellent for cutting. Height 3 feet.

Crimson .....	Pkt., .10
Lavender .....	Pkt., .10
Pink .....	Pkt., .10
Purple .....	Pkt., .10
White .....	Pkt., .10
Finest Mixed .....	Pkt., .10

**GIANT COMET.** Splendid class of pyramidal habit. with very large flowers.

Crimson .....	Pkt., .10
Lavender .....	Pkt., .10
Rose Pink .....	Pkt., .10
Purple .....	Pkt., .10
White .....	Pkt., .10
Finest Mixed .....	Pkt., .10

**PEONY FLOWERED PERFECTION.** The finest form of incurved Aster, splendid for exhibition and popular for both florists' and private use. The plants are about two feet in height, with flowers usually four inches across, very double and of fine globular form.

Dark Blue .....	Pkt., .10
Lilac .....	Pkt., .10
Blood Red .....	Pkt., .10
Rose Pink .....	Pkt., .10
White .....	Pkt., .10
Finest Mixed .....	Pkt., .10

**VICTORIA.** Flowers large, very double, with the petals beautifully incurved. Cannot be excelled for bedding or exhibition. 2 feet.

Crimson .....	Pkt., .10
Dark Blue .....	Pkt., .10
Rose Pink .....	Pkt., .10
White .....	Pkt., .10
Finest Mixed .....	Pkt., .10



White Branching Asters

## ASTERS—Dwarf Varieties

### CHRYSANTHEMUM

Finest Mixed .....	Pkt., .10
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**QUEEN OF THE MARKET.** Early flowering aster, of branching habit, producing its flowers on long stalks; fine class for cutting and bunching.

Crimson .....	Pkt., .10
Lavender .....	Pkt., .10
Light Blue .....	Pkt., .10
Light Pink .....	Pkt., .10
Deep Red .....	Pkt., .10
White .....	Pkt., .10
Finest Mixed .....	Pkt., .10

CHINA FINEST MIXED .....	Pkt., .10
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ALL SORTS MIXED .....	Pkt., .10
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**BALSAM.** Beautiful plants for the summer garden. Of fine pyramidal form, thickly studded with large flowers of rich shades. They should be started early in heat and transplanted. We offer the finest strains in cultivation. Annuals.

Double Dwarf Mixed .....	Pkt., .10
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**BROWALLIA.** Elegant, free flowering, half-hardy annual for house or garden; growing about eighteen inches in height, with Verbena-like flowers; excellent for cutting. Seeds started in July will give fine plants for winter blooming in the greenhouse for which they are valuable. For summer blooming they may be sown under glass in March, or in the open ground in May.

Finest Mixed ..... Pkt., .05

**CALENDULA.** Vigorous, hardy, free-flowering annuals, with large, flat, double flowers; valuable for growing in light soils, or dry situations. They are useful as cut flowers, and are frequently grown under glass during winter for cutting. 1 foot.

Double Mixed ..... Pkt., .05

**CALLIOPSIS** or *Coreopsis*, Perennial Varieties. These frequently bloom the first year from seed sown in the spring; it is the most satisfactory, however, to sow in July or August, protecting the plants with coarse straw or pine boughs during the winter. They will flower profusely the following summer. Height, 2 feet. Mixed. Pkt., .05

**CANDYTUFT.** Showy, hardy annuals, growing about a foot in height. Excellent for bouquets.

Carmine ..... Pkt., .05  
Empress White ..... Pkt., .05  
Mixed ..... Pkt., .05



Candytuft

**CANNA.** Indian Shot. The luxuriant foliage and superb flower of the Cannas, especially of the new French and Italian races, easily places them foremost among our sub-tropical bedding plants.

Crozy's Newest Mixture ..... Pkt., .05  
Nigricans—Dark Red Foliage ..... Pkt., .05

**CARNATIONS—Marguerite**—the earliest of all Carnations, blooming in July or August if sown in spring and continuing till frost. Being half-hardy

perennials, a slight protection of coarse straw or pine boughs will preserve them during winter and they will flower profusely the next summer, or they may be potted to bloom during the winter in the house. The flowers are large, about eighty per cent, usually coming double; beautifully fringed and clove-scented.

#### CARNATIONS MARGUERITE

Giant White ..... Pkt., .10  
Giant Rose ..... Pkt., .10  
Giant Red ..... Pkt., .10  
Giant Yellow ..... Pkt., .10  
Giant Mixed ..... Pkt., .10

**CENTAUREA.** Flowering Annuals. Imperials.—Giant Corn Flower. The flowers are of enormous size; fragrant, and of the most charming colors, including white, pink, lilac, rose and purple. They are among our best summer flowers for cutting.

Marguerite—White ..... Pkt., .05  
Cyanus—Bachelor's Buttons, mixed..... Pkt., .05



Centaurea Cyanus

**CELOSIA,** or *Coxcomb*. Showy annuals of easy cultivation; producing large, brilliant, comb-like flower heads. They prefer a light soil, and should not be allowed to become crowded if a dwarf habit is desired.

Tall Mixed ..... Pkt., .05

## CHRYSANTHEMUM (Annual Varieties)

Showy, hardy annuals of easiest cultivation and blooming early in summer. They are most desirable for seashore and mountain gardens. Height, 2 feet.

Double Yellow ..... Pkt., .05  
Double Mixed ..... Pkt., .05

**COBOEA SCANDENS.** A fine, rapid growing climber with handsome foliage and large, bell-shaped flowers, green at first, but rapidly changing to a beautiful, deep violet-blue. A well established plant will run about thirty feet in a season, covering a large veranda with handsome foliage and beautiful flowers. Tender perennial. Pkt., .05

**CONVOLVULUS MAJOR**—Tall Morning Glory.

Finest Mixed ..... Pkt., .05  
Japanese Morning Glory ..... Pkt., .05

**CYPRESS VINE.** *Ipomoea Quamoclit.* Very graceful twining annuals with feathery dark green foliage and star-like flowers. Twenty feet.

Scarlet ..... Pkt., .05

**COSMOS.** This is one of our most useful and beautiful autumn flowers. To get it in bloom early, the seed should be sown in May in the open ground where the plants are desired to bloom, and the seedlings allowed to grow and flower without being transplanted.

Finest Mixed ..... Pkt., .05



Cosmos

**DAHLIA.** This popular flower can be easily raised from seed and flowered the same season. The roots should be placed in dry sand and kept in a cellar where there is no frost during the winter.

Finest Mixed ..... Pkt., .10  
Single Mixed ..... Pkt., .10

**DIANTHUS.** *Chinenses fl. pl. hP.* Double Chinese Pinks. Finest Mixed. Pkt., .05  
*Hedewigii.* (Japan Pinks) hB. Single. First-class selected. Mixed ..... Pkt., .05



Chinese Pinks

**DOLICHOS LABLAB.** (*Hyacinth Bean.*) Purple. 10 feet. Pkt., .05

**ESCHSCHOLTZIA.** California Poppy. The bright colors, long duration and dwarf habit of these free-blooming, hardy annuals, admirably adapt them for massing and border planting. Height, 1 foot.

California—Yellow, orange center ..... Pkt., .05  
California Alba—White ..... Pkt., .05  
Mixed ..... Pkt., .05

**GOURDS.** Luxuriant, climbing annuals, useful in covering arbors, fences or slopes, and bearing gourds which are of interesting forms and colors. 10 to 15 feet.

Mixed ..... Pkt., .05

**GYPSOPHILA.** *Infant's Breath.* Free flowering, hardy plants; extremely light and graceful, easy of cultivation, and most useful for bouquet and cut-flower work. Height, 18 inches.

Mixed ..... Pkt., .05

**HELIANTHUS.** Sunflower. The large varieties are useful in forming backgrounds of large beds or borders and for distant effects, while the smaller sorts may be planted with scarlet *Salvia*, Cannas and other tall bedding plants, besides being excellent for cutting. Hardy annuals.

Double Mixed ..... Pkt., .05

FOR  
THE  
LAWN

Try Our PURITY LAWN SEED

Mixed by us from one of the best formulas known and containing no weed seeds.





Helianthus

**HELICHRYSUM.** Everlasting Flower. Showy annuals for beds or borders; useful as dried flowers for winter bouquets, for which use the blooms should be cut before they are fully open, and hung up to dry with the flowers downward if stiff stems are desired. Height 2 feet.

Double Mixed ..... Pkt., .05



Heliotrope

**HELIOTROPE.** Delightfully fragrant greenhouse perennial; excellent for bedding or indoor cultivation and particularly useful for cutting.

Giant. Newest large flowering varieties mixed.

Pkt., .10

**HOLLYHOCK.** This ever popular hardy favorite of our gardens has very few rivals in majestic grandeur. Hollyhocks succeed best in rich, well-drained soil. They should be lightly protected during winter with pine boughs, coarse straw or other mulch not liable to rot. Seeds sown in July produce fine plants for blooming the following summer. Hardy biennials; 6 to 8 ft.

Chaters Strain. Double finest mixed, Pkt., .10

**HUMULUS JAPONICA.** Japanese Hop. Splendid annual climber of fast growth and very ornamental. 12 ft. Pkt., .05

**KOCHIA TRICHOPHILA.** (Standing or Summer Cypress.) Splendid ornamental annual of unusually quick growth, forming regular pyramids of about 3 ft. in height. The slender-leaved plants are of a cypress-

like appearance during the summer, changing their light-green foliage to carmine and blood-red colorings. The plant, also called "Burning Bush," is of great value when planted singly or in groups, as well as for pot culture. 3 ft. Pkt., .05

**LARKSPUR.** Splendid hardy annuals with showy flowers borne on long spikes; white, lilac, and all shades of blue; excellent for cutting. Height, 18 inches.

Double Tall. Branching or stock flower mixed.

Pkt., .05

**LAVENDER.** Ornamental hardy perennial, bearing long spikes of very fragrant, blue flowers. 18 inches. Pkt., .05

**LOBELIA.** The Erinus varieties are most valuable for edgings, hanging baskets and vases, blooming profusely from June till frost. Lobelia Cardinalis and its varieties are among the most brilliant autumn flowering perennials.

Crystal Palace Compacta. The darkest blue. Pkt., .05

Finest Mixed ..... Pkt., .05

**MARIGOLD.** Tagetes. These handsome half-hardy annuals when well grown cannot be surpassed either in mixed borders or when grouped together. They succeed best in moderately rich soil and in open situations, and are strongly recommended where a gorgeous display in the autumn is an essential feature.

African—Double tall yellow..... Pkt., .05

African—Double tall mixed ..... Pkt., .05

French—Double tall mixed ..... Pkt., .05



Forget-Me-Not

**MYOSOTIS—Forget-Me-Not.** Dwarf, half-hardy perennials, bearing a profusion of little, star-shaped flowers. They thrive best in rather moist, shady situations. Most of them will bloom the first year from seed if sown early. If sown in July or August in shaded frame, fine plants will be obtained for spring blooming. They are very beautiful when planted in combination with late spring bulbs, Daisies, Arabis or Golden Alyssum.

Palustris—True Forget-Me-Not. Dark blue, very beautiful; profuse flowering. Pkt., .10





**Mignonette**

**MIGNONETTE.** *Reseda Odorata.* The most fragrant annual, prized as much for forcing in winter as for the summer garden. The seed should be sown early and the plants as they grow, thinned sufficiently to allow them to branch. The beds should be liberally watered during dry weather.

- Parsons's White ..... Pkt., .10
- Machet, Red ..... Pkt., .10
- Bird's Mammoth Mixed ..... Pkt., .10

**NICOTIANIA Affinis—Annuals.**

**Colossea**—Magnificent foliage plant that soon attains a height of five or six feet, with young leaves at first tinted with red. Its leaves are often two feet in length and a foot in width. Excellent for foliage beds. Pkt., .10

**Sylvestris.** A splendid new variety with glaucous leaves and large pendants, pure white, tube-shaped flowers; a very stately plant. Pkt., .10

**NASTURTIUMS—Dwarf Varieties mixed.**

**Tom Thumb, or Dwarf.** These hardy annuals are of easiest cultivation; succeeding best in rather light soil, withstanding heat and drought and flowering profusely from June or July until cut down by severe frost, usually well into November. The dark-leaved varieties are particularly adapted for ribbon beds and borders, the brilliant flowers contrasting admirably with the bronzy red foliage. Height, 1 foot.

**Finest Mixed.** Our special mixture of the finest sorts, in great variety of color.

Pkt., .05; oz., .15; ¼ lb., .45

**NASTURTIUMS—Tall or Climbing.**

Besides their ordinary garden use for trailing over fences, trellises, stone walls, etc., these can also be grown as pot plants for Winter flowering, as screens or as trailers for hanging baskets and vases; 8 to 12 feet.

Finest Mixed ..... Pkt., .05; oz., .15; ¼ lb., .45

**PAPAVER, or Poppy.** Annual varieties, showy, hardy annual of the easiest cultivation and embracing many rich and beautiful colors. The seed should be sown early in spring where intended to bloom.

**Shirley**—Finest mixed. A most charming race of single Poppies with shining flowers of silky texture, varying in color from pure white and delicate pink to rosy carmine and deep crimson; many of them being beautifully striped and edged with white. The blooms if cut when young will keep in water for two or three days. Height, 2 ft. Pkt., .05

- Double Carnation Mixed ..... Pkt., .05
- Oriental Deep Crimson ..... Pkt., .05
- White Swan ..... Pkt., .05

**PHLOX DRUMMONDI.** This is one of the finest annuals, being hardy, easy of cultivation and making as a summer bedding plant an effective and brilliant display. The flowers are of long duration and of most gorgeous and varied colors. Height, 1 ft.

Finest Mixed—Splendid colors ..... Pkt., .05

**Grandiflora Finest Mixed.** The flowers are of large size, finely rounded form, and with well defined eyes. The colors are superb. Pkt., .10

**PETUNIA.** The Petunia is popular because it is of easiest cultivation, blooms from early summer continuously until frost and is one of the most showy and free-growing annuals. Height, 12 to 15 inches.

**Single Flowering Petunia**

- Hybrida—Finest Mixed ..... Pkt., .10
- Fimbriata—Fringed, Single Mixed ..... Pkt., .15

**Double Flowering Petunias**

- Double Fringed—Extra Large ..... Pkt., .20



**Nasturtium**



**PORTULACA.** Charming dwarf annuals for sunny situations or light soils, producing flowers of most brilliant colors in great profusion. Height, 6 inches.  
**Grandiflora Plenissima—Double Mixed.... Pkt., .10**  
**Grandiflora—Fine Single Mixed .....Pkt., .10**

**RHODANTHE.** Half-hardy annuals with "Everlasting" flowers. They are beautiful for the open garden, or grown in pots for the conservatory. If required for winter use, as dried flowers, they should be cut before they are fully expanded. Height, 1 foot.  
**Mixed ..... Pkt., .05**

**RICINUS.** Castor Oil Plant. Tender annuals of rapid and gigantic growth, producing enormous dark green or bronze-colored palmate leaves; excellent for sub-tropical beds, or for massive foliage effects on lawns or backgrounds.

**Zanzibariensis.** Mixed. A new and distinct race from East Africa, producing leaves of enormous size, varying in color from light green to purplish red. Height, 15 feet. **Pkt., .10**

**SALPIGLOSSIS.** Half-hardy annuals; elegant late summer flowering plants of great diversity in color; beautifully penciled in rich tints of yellow, purple and brownish red. Of easy culture.  
**Grandiflora—Finest Mixed ..... Pkt., .05**

**SALVIA.** Flowering Sage. Very ornamental; flowers borne in spikes of fiery red, crimson or blue, and continue in bloom in open ground until after severe frosts. Start in heat and transplant into light soil one to two feet apart. Tender perennials, but bloom the first season. Height, 2 ft. to 3 ft.  
**Bonfire—Scarlet ..... Pkt., .10**  
**Cocinea—Mixed ..... Pkt., .10**

**STOCK—Gilliflower.** The charming colors, delightful fragrance and free-blooming character of the Stocks have made them favorite plants for both summer and winter cultivation. They are very effective for beds and borders, and their handsome spikes are invaluable for bouquets and floral decorations.

**Large-Flowering, Double Ten-Week Varieties.** Highest grade, pot-grown seed. The best variety for early summer blooming, producing massive pyramidal flower spikes of brilliant colors and delightful fragrance. Height, 1 foot.

**Pink ..... Pkt., .10**  
**White ..... Pkt., .10**  
**Finest Mixed ..... Pkt., .10**

**SWEET WILLIAM.** *Dianthus Barbatus.* Showy hardy biennials of easiest culture; admirable for clumps among shrubs or borders. Height, 18 inches.  
**Hunt's Perfection Mixed ..... Pkt., .05**

## PANSIES

**Pansy, or Heartsease.** Too much importance cannot be attached to the culture of these beautiful plants, flowering as they do in great abundance for several months. When sown in the early spring a good display in most cases can be had in the following fall, but the best results are not obtained by so doing. To obtain fine blooms it is better to sow during summer and transplant the seedlings in cold frames in September, protecting during the winter with mats or shutters. Pansies delight in a cool, moist, well drained soil, enriched with decomposed barn-yard manure. They should never be allowed to suffer for want of water.

**Giant Blue ..... Pkt., .10**  
**Giant Black ..... Pkt., .10**  
**Giant Purple ..... Pkt., .10**  
**Giant Yellow ..... Pkt., .10**

**Giant White ..... Pkt., .10**  
**Giant Mixed ..... Pkt., .10**  
**Mixed ..... Pkt., .05**  
**Giant Ruffled Mixed ..... Pkt., .15**





Sweet Peas

### Sweet Peas

Our Sweet Peas are unsurpassed in selection, purity and vitality. Seed should be sown in new ground as early as it can be worked in spring. The vines should be thoroughly established before the hot weather sets in. White-seeded sorts should be sown a little later, when the ground is warm.

**HASKELL'S PEERLESS MIXTURE.** We invite comparison of our mixture with any and all others, no matter under what name or at how high a price offered, and are certain a trial will demonstrate the superiority of our Peerless Mixture.

Prices on Haskell's Peerless Mixture:

Pkt., .05; oz., .10; ¼ lb., .25; ½ lb., .45; lb., .90.

Prices on all Separate Colors:

Pkt., .05; oz., .10; ¼ lb., .35; ½ lb., .65; lb., \$1.25.

#### Blue and Purple

**Captain of the Blues.** Standard light maroon; wings light purple.

**Navy Blue.** Deep violet blue.

#### Variegated.

**Aurora.** Flaked orange salmon; largest striped.

**America.** The brightest blood red striped.

**Daybreak.** Crimson scarlet on white ground.

**Gray Friar.** Beautiful watered purple on white ground.

**Helen Pierce.** Blue mottled on pure white.

**Mrs. Joseph Chamberlain.** Rose and white striped.

#### Lavender and Mauve

**Countess of Radnor.** Pale mauve standards, wings pale lilac, very fine.

**Dorothy Tenant.** Deep rosy mauve; beautiful.

**Emily Eckford.** Standard reddish mauve, wings blue.

#### White

**Blanche Burpee.** Pure white of superior substance, flowers large and finely formed.

**Emily Henderson.** A new pure white, largest of all and an excellent sort.

**Sadie Burpee.** White seed. Very large. Pure white.

**Dorothy Eckford.** Pure White.

#### Light Yellow

**Mrs. Eckford.** Delicate shade of primrose yellow.

**Primrose.** Color pale primrose approaching yellow.

#### Shades of Pink

**Lovely.** Light pink standard, delicate rose wings.

**Hon. F. Bouverie.** Standard flesh-pink, wings rosy buff.

**Sybil Eckford.** Pink and buff.

**Prima Donna.** Lovely pale pink. One of the finest.

**Katherine Tracy.** Soft but brilliant pink.

**Gladys Unwin.** Large, light pink.

**Blanche Ferry.** The popular pink and white.

**Her Majesty.** Beautiful rose color.

**Painted Lady.** Old popular pink and white, fiery shade.

**Lady Mary Currie.** Orange pink.

#### Shades of Red

**Red Riding Hood.** Rosy pink, very fragrant.

**Brilliant.** Bright scarlet, fine form.

**Firefly.** Deep brilliant scarlet; truly a fiery shade.

**King Edward VII.** Fine scarlet.

#### White and Blue

**Maid of Honor.** White, edged with blue.

**Lottie Eckford.** White, suffused with lavender.

**Butterfly.** White, blue edge.

#### Claret and Maroon

**Boreatton.** Very dark maroon, self-colored.

**Captivation.** Beautiful claret color.

**Waverly.** Standards rosy claret, wings shaded blue.

**Black Knight.** Deep maroon.

**PRICES FOR ANY OF THE ABOVE FIVE-CENT PACKAGES:** 6 pkts. for 25c; 12 pkts. for 40c.



## Sweet Peas (Continued)

### SPENCER VARIETIES

The Spencers are of exceptionally large size, the standard and wings waved or frilled and the general effect remarkably graceful and attractive. The plants are of vigorous growth and remain in bloom for a longer period than the ordinary sorts. They are produced abundantly on long stems, making them most desirable for cutting.

**Asta Ohn.** Suffused lavender sometimes with pinkish tinge.

**Countess.** Bright, clear pink, sometimes darker towards the edges; very large with long stems. One of the very best.

**Florence Morse.** White with pink edge.

**King Edward.** Brilliant crimson scarlet; very large size and of open form.

**Othello.** Beautiful deep maroon. One of the most reliable of the maroon shades of Spencers.

**White.** Pure white. Beautifully waved and fluted. Very large size.

**Mixture.** A very fine assortment of the best varieties.

Separate Colors .....10 per Pkg., .20 oz.

Mixture .....10 per Pkg., .20 oz.. 75 ¼ lb.

**VERBENA.** The Verbena is one of the most decorative and easily grown bedding plants. If started in heat in March the seedlings begin to bloom in June and continue until frost. Plants raised from seeds are stronger and flower more freely than those grown from cuttings. Half-hardy perennials. Height, 1 foot.

**Hybrida—Fine Mixed** ..... Pkt., .05

**Hybrida—Mammoth mixed** ..... Pkt., .10

**Hybrida—Extra selected, dark blue** ..... Pkt., .10

**Hybrida Candissima, white** ..... Pkt., .10

**VIRGINIA CREEPER (or American Woodbine).** Though a common native climber, this is one of the best plants for covering unsightly objects, or it may be easily trained into festoons of exceeding grace and beauty.

Pkt., .05

**WILD CUCUMBER.** Hardy, vigorous climber, with very pretty seed-pods, large seeds; to be sown in the open ground in autumn. 20 feet.

Pkt., .05

**XERANTHEMUM.** Profuse blooming hardy annuals with "Everlasting" flowers; useful for winter bouquets; colors pure white and deep purple. Height, 18 inches.

**Finest Double Mixed** ..... Pkt., .05



Zinnia

**ZINNIA.** The double flowering Zinnias (*Zinnia elegans* fl. pl.), are among the finest annuals blooming from July till frost. The flowers are large, handsome, and in a variety of colors. Of easy cultivation in common garden soil. Seed should be started in heat and transplanted. Our seed of these beautiful flowers is saved from the finest collection in Germany.

**Single Mixed** ..... Pkt., .05

**Double Mixed** ..... Pkt., .05

### MIXED FLOWER SEEDS FOR WILD GARDENS.

A splendid mixture of more than one hundred kinds of flower seeds at a low price.

Pkt., .05

For Parcel Post information see next page.

Owing to the unsettled condition of the market ALL prices in this catalogue are strictly subject to change without notice. However, at time of shipment prices should be lower than given in the catalogue we shall cheerfully give our customers the benefit.

# SUPERIOR VEGETABLE SEEDS

## THE CENTAL SYSTEM—IMPORTANT ANNOUNCEMENT

In this issue of our catalogue we shall continue to use the Cental System which was adopted by us in our 1919 issue. The old method of selling seed by the pint, quart, peck, bushel, or fractions thereof is hereby discontinued. Seeds will hereafter be quoted by the pound and hundred pounds. You will find it more accurate, more fair, and more sensible than the old method of buying by the pint, peck, or bushel. Recommendations as to quantity to sow will be made on the pound basis instead of by measure.

There are several reasons for this change.

1. The weight of a bushel of one kind of seed is practically never the same as that of another kind of seed. Even the weights of two single bushels of the same commodity may differ, due to difference in size of the individual seeds, vegetables, or whatever makes up the bushel. The old system was, therefore, unavoidably inaccurate, frequently inaccurate, and never quite fair to both buyer and seller.

2. The new method is exact, accurate, and fair to all.

3. The new system permits of quicker, more accurate, parcel-post rating.

4. The Cental System, long used in Europe, is the coming method of selling seeds, vegetables, foods, etc. It has already been adopted by law in several states.

### Parcel Post Information

Parcel Post rates now apply to all seeds, bulbs and plants and are subject to the same rates as all other merchandise, 1st and 2d Zones include all places within a distance of 150 miles of Lewiston.

### Rates of Postage for 4th Class Merchandise

Zone Distances	Zones	First Pound	Each Additional Pound
Lewiston and Rural Delivery.		.05	\$ .00 ½ up to 70 Lbs.
Within 140 miles	1st and 2d	.05	.01 up to 70 Lbs.
150 to 300 Miles,	3d	.07	.05 up to 50 Lbs.
300 to 600 Miles,	4th	.08	.06 up to 50 Lbs.
600 to 1000 Miles,	5th	.09	.07 up to 50 Lbs.
1000 to 1400 Miles,	5th	.10	.09 up to 50 Lbs.
1400 to 1800 Miles,	7th	.11	.10 up to 50 Lbs.
*1800 Miles and over,	8th	.12	.12 up to 50 Lbs.

\*Includes non-contiguous possessions

## ASPARAGUS

German,—Gpargel, French,—Asperge  
Spanish,—Esparragos.

One ounce for 60 feet of drill.

A convenient bed is about six feet wide, with a path two feet wide on each side. This will require six rows one foot apart, and a bed of that width 50 feet will be ample for an ordinary family, requiring about



one pound of seed. It will require about three years from the time of sowing until the bed is in full bearing, but once established, it is good for twenty years.

It should be sown in drills one foot apart, and when the plants are four or five inches high they should be thinned out so that the plants will be nine inches apart from each other in all the rows. Great care must be taken for the first year to keep down all weeds as soon as they appear, else they will choke and destroy the young seedling Asparagus. The deeper the soil and the more manure used, the greater will be the crop.

**Conover's Colossal.** The best known, and one of the most desirable sorts.

Pkt., .05; oz., .10; ¼ lb., .20; lb., .50

**Palmetto.** Shoots are very large and light green, also tender and very desirable for the market and home garden. Very quick in growth, with close, round-topped shoots.

Pkt., .05; oz., .10; ¼ lb., .25; lb., .75

### Asparagus Roots

A saving of one or two years is effected by planting roots. These offered below are strong, two-year-old roots, and the proper size for testing. These roots are not carried in stock but will be shipped direct from the growers. Prices on the following varieties will be quoted on application.

**Columbia, Mammoth White, Conover's Colossal, Barr's Mammoth and Palmetto.**



## BEANS

### Dwarf or Bush

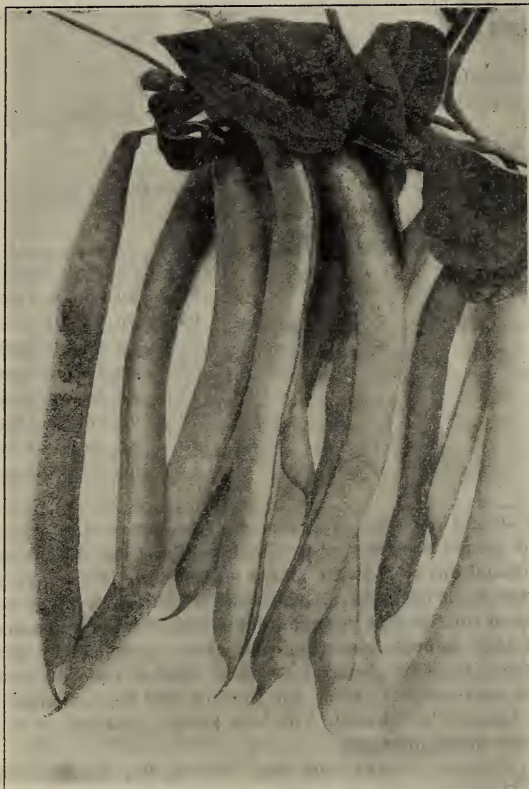
German,—Bohnen. French,—Haricot.

Spanish,—Frijole nano.

Two Pounds to 100 feet in drills or 150 hills; two bushels to the acre in drills.

A succession of sowing can be made from the first week in May until August. Plant in drills about two inches deep, and from eighteen inches to two feet apart, according to the richness of the soil; the poorer the soil the closer they can be planted. The seeds should be dropped about two inches apart.

Add .06 per Lb.; each additional pound add .01 if to be sent by mail.



Improved Golden Wax Beans

**Black German Wax.** (Black Seed.) Very early; round, yellow pods; a well-known standard sort.

Pound, .35; Two Pounds, .65

**Currie's Rust-proof Wax.** Pods long, flat and straight, very productive and rust-proof; black seed.

Pound, .35; Two Pounds, .65

**Improved Golden Wax.** Rust proof. An improvement on the old Golden Wax. The pod is somewhat round, meaty and entirely rust proof.

Pound, .35; Two Pounds, .65

## Green Pod Varieties

**Stringless Green Pod.** The pods are green, not quite as round as Valentine and less curved. The pods are stringless—absolutely—this quality at once placing the variety at the top of the list among table beans.

Pound, .35; Two Pounds, .65

**Long Yellow Six Weeks.** Pods are long, flat, straight green.

Pound, .35; Two Pounds, .65

**Low's Champion.** Very productive, with stringless, large flat green pods. Excellent either as a string or shell bean.

Pound, .35; Two Pounds, .65

**Dwarf Horticultural.** Pods are of medium length, slightly curved, and when nearly developed are freely splashed with bright red on the yellow skin. The green shell beans are of good size, tender, and of fine flavor.

Pound, .35; Two Pounds, .65

**Burpee's Bush Lima.** The only Bush form of the true large Lima. Bushes grow to eighteen inches in height and always erect.

Pound, .40; Two Pounds, .75

**Improved Yellow-eye Bean.** A fine field bean and very productive.

**Old-fashioned Yellow-eye Bean.** An excellent field bean and much preferred to the Improved Yellow-eye as a baking bean.

**Red Kidney Bean.** An easily raised bean and very productive. Also greatly prized by many for baking.

**Pea Beans.** Native grown. Used for baking more than any other pea bean.

**Sulphur Pea.** Larger than the white pea bean; golden yellow color; early and of fine quality.

**White Kidney Bean.** Good yielder. Almost entirely free from rust. One of the best baking beans on the market.

**Soldier Bean.** Similar in shape to the White Kidney, but much larger, and with brown markings. Excellent cropper and free from rust.

Prices on above on application.

## Pole or Running

German—Stangenbohnen

Spanish—Judias.

French—Haricot a Rames.

One Pound to 150 hills.

These are more tender and require rather more care in culture than the Bush Beans, and should be sown two weeks later. They succeed best in sand loam, which should be liberally enriched with short manure in the hills, which are formed, according to the variety, from three to four feet apart. From five to six seeds are planted in each hill, about two inches deep.

Rough cedar or similar poles about seven or eight feet long should be used for these to climb on. The poles should be set in the ground at least eighteen inches, so as to prevent being blown over.

Add .06 per Lb.; each additional Pound add .01 if to be sent by mail.

**Black Wax, or Indian Chief.** A superb snap bean; pods yellow and stringless. **Crop Failed.**

**Scarlet Runners.** Usually cultivated for the beauty of its scarlet flowers. **Pkt., .15; ¼ Lb., .25**





**King Horticultural, or Old Fashioned Speckled Cranberry.** Pods bright carmine color; both beans and pods are much larger than the common kind.

**Pound, .35; Two Pounds, .65**

**Kentucky Wonder.** An excellent green podded variety; enormously productive, the long pods hanging in great clusters along the entire vine. Seed dark brown; entirely stringless.

**Pound, .35; Two Pounds, .65**

**Lazy Wife.** One of the best of the later green-podded pole beans for snaps. The pods borne in large clusters, are five to seven inches long, broad, thick, fleshy and entirely stringless. When young they have a rich, buttery flavor, which is retained until they are nearly ripe. The dry beans are excellent for winter use. Seed white.

**Pound, .35; Two Pounds, .65**

**Red Cranberry Pole.** A popular string or snap bean; very productive with large and tender pod.

**Pound, .35; Two Pounds, .65**

**Lima, King of the Garden.** Heavy cropper—bean and pod very large.

**Pound, .40; Two Pounds, .75**

## BEEF

German,—Runtel Rube.

French.—Betterave.

Spanish,—Beteraga.

A rather light soil, well enriched, is best suited to the cultivation of the various beets. The mangels and sugar beets in particular, require very liberal manuring. For an early crop of table beets, sow the seed as early as the ground is in condition to work; light frosts will not injure the young plants. For a main crop, sow the first of May; and for winter beets, the last of June. Sow in drills, 12 to 15 inches apart, and about one inch deep, pressing the earth firmly upon

the seed,—a very important matter. Use about six pounds of seed per acre, 1 oz. 50 feet. Thin out when the plants are large enough. The varieties for table use should be left three or four inches apart.

## MANGEL-WURZEL AND SUGAR BEETS

Sow in April or May, using eight to twelve pounds to the acre.

Price of all varieties Oz., .15; ¼ lb., .40; lb., \$1.25

**Red Giant Eckendorf.** Of cylindrical form and grown mostly above the surface. Has been known to yield as high as 58 tons to the acre.

**Lane's White Sugar.** One of the best for feeding stock. Very sweet.

**Norbiton Giant.** A mammoth, long-red variety, enormously productive, and keeps well; good for deep soils.

**Golden Tankard.** Flesh a deep, rich yellow; very sweet and nutritious. Half long in shape. A very heavy cropper.

**Improved Mammoth Long Red.** An improvement on the old variety. The roots are very large, uniformly straight and well formed; proportionately thicker, and are deeper colored than the common sort, and with smaller tops.



**Improved Golden Tankard**

## TABLE BEETS

**Crosby's Egyptian.** This variety is as early as the original Egyptian, but by careful selection has been made thicker and of better quality.

**Pkt., .10; oz., .15; ¼ lb., .50; lb., \$1.50**

## TABLE BEETS (Continued.)

**Dewing's Early.** Of deep red color, smooth and of fine form. One of the leading varieties, both for market and for family use.

Pkt., .10; oz., .15; ¼ lb., .50; lb., \$1.50

**Detroit Dark Red Turnip.** An excellent beet for bunching for market; tops exceptionally small and upright; roots turnip shaped with small tap root. Color of skin dark blood red; flesh bright red. Quality is of the best, sweet and tender. One of the best varieties for the market gardener and the home garden.

Pkt., .10; oz., .15; ¼ lb., .50; lb., \$1.50

**Early Eclipse.** Very early, dark-red color, small top, and free from fibrous roots.

Pkt., .10; oz., .15; ¼ lb., .50; lb., \$1.50

**Edmand's.** This variety is thoroughly fixed and uniform in type. The flesh is deep blood red in color, and exceedingly sweet and tender. It is round, smooth, of good market size, and does not grow over-large.

Pkt., .10; oz., .15; ¼ lb., .50; lb., \$1.50

**Dirigo Extra Early.** A rich, blood-red beet of fine grain and flavor and is earlier than either the Egyptian or the Eclipse.

Pkt., .10; oz., .15; ¼ lb., .50; lb., \$1.50

**Haskell's Special Blood Turnip.** We have a very fine strain of Blood Turnip Beet, of the Edmand's type. Very deep red fleshed, so much in demand in all markets. Pkt., .10; oz., .15; ¼ lb., .50; lb., \$1.50

**Swiss Chard or Silver Sea Kale.** Used as greens and the ribs of leaves cooked and served as asparagus.

Pkt., .10; oz., .15; ¼ lb., .50; lb., \$1.50

## BRUSSELS SPROUTS

(Species of cabbage; cultivation the same)

German,—Rofen-Kohl.

French,—Chou de Bruxelles.

Spanish,—Berza de Brussels.

One ounce will sow a bed of forty square feet, and produce about 3,000 plants.

This is a delicious vegetable, superior to either borecole or spinach. The small, cabbage-like heads which grow upon the stem are much improved by a moderate frost. Sow in hotbeds in March or April, and in the open ground in May.

**Dwarf Improved.** Produces excellent, compact sprouts; very sure cropper.

Pkt., .05; oz., .20; ¼ lb., .75

## CABBAGE

German,—Kopf-Kohl. French,—Chou Pomme.

Spanish,—Berza.

One ounce of seed produces about 3,000 plants.

Early varieties are grown from seed sown in hotbeds in February or March, only moderate bottom heat being required. Transplant into other frames without much, if any, bottom heat, as soon as the plants show the fourth leaf. In April, or as soon as the ground can be easily worked, set out in rows three feet apart, and about eighteen inches between the plants. The ground should be thoroughly stirred with cultivator and hoed every week till the plants cover the ground. For a fall crop, sow in the open ground

in May, in hills the proper distance apart, using a liberal quantity of manure in the hill, besides that which is plowed in; thin out to one good plant in each hill. In the same way crops may be sown to lay in for the winter use, planting seeds as late as July 1. Seeds can also be sown in shallow drills when the plants are large enough, can be transplanted, setting the plants in rows three feet apart and two feet apart in the row. If the young plants are troubled with the cabbage fly, sprinkle them with tobacco dust, air-slaked lime, slug-shot or wood ashes, while the dew is on them. To keep off the cabbage worm, sprinkle with Dalmatian insect powder or Bug Death.



Danish Ball Head

The wide and unflinching popularity of the Danish Ball Head cabbage is simply wonderful. It seems to adapt itself to all soils and conditions.

The leading characteristics of Danish Ball Head cabbage are: First, that it is a sure header; second, that it is of unapproachable solidity and weight; third, that it is an extra good keeper; and fourth, that it is a good seller.

It is a medium to late cabbage, but is generally grown as a late crop. It is sure to head, the heads being round, hard and extremely heavy, though not extra large. It can be grown in close quarters, on account of its compact habit.

Pkt., .10; oz., .60; ¼ lb., \$2.00

**All Seasons.** An early Drumhead, sure heading, solid variety. Desirable for early or fall use.

Pkt., .10; oz., .50; ¼ lb., \$1.75

**Charleston Wakefield.** Grows to a much larger size than the Jersey Wakefield. Very productive and a good shipping variety.

Pkt., .10; oz., .50; ¼ lb., \$1.75



**Mammoth Rock Red.** The largest heading of any of the red sorts, of deep rich color, and excellent quality. Pkt., .10; oz., .50; ¼ lb., \$1.75

**Sure Head.** A fine variety for main crop. A good shipper and sure header. Pkt., .10; oz., .50; ¼ lb., \$1.75



**Warren's Stone Mason**

**Warren's Stone Mason.** An improvement on the Stone Mason Drumhead; heads rounder, firmer and earlier; is an extra good keeper.

Pkt., .10; oz., .50; ¼ lb., \$1.75

**Savoy Improved American.** The finest flavored of all the cabbage family, large and solid.

Pkt., .10; oz., .50; ¼ lb., \$1.75

**Early Winningstadt.** An early variety of excellent quality, not as early as the Wakefield.

Pkt., .10; oz., .50; ¼ lb., \$1.75

**Henderson's Early Summer.** A standard summer variety. We have the true stock.

Pkt., .10; oz., .50; ¼ lb., \$1.75

**Fottlers Early Brunswick.** An early fall variety well known and popular.

Pkt., .10; oz., .50; ¼ lb., \$1.75

**Early Jersey Wakefield.** A standard early variety for home use or market.

Pkt., .10; oz., .50; ¼ lb., \$1.75

**Red Dutch** for pickling or for salads.

Pkt., .10; oz., .50; ¼ lb., \$1.75

**Succession.** A sure-headed, long-keeping variety, very similar to All Seasons, but maturing a little later. Heads deep and very firm.

Pkt., .10; oz., .50; ¼ lb., \$1.75

**Enkhuizen Glory.** A new Holland cabbage which originated at a large seed farm at Enkhuizen, Holland. It is an early cabbage, but still of large size, solid and of the best quality. It is one of the largest early cabbages we have seen, and may be set out as late as the last of July or first of August in this latitude, and will make large, fine heads for late fall or

winter use. The great merit of this cabbage lies in the perfect uniformity of its growth. The plants are compact, and have few outside leaves, and can be planted close together, and will produce a very large crop. Pkt., .10; oz., .60; ¼ lb., \$2.00

## CARROT

German,—Rhore.

French,—Carrotte.

Spanish,—Zanahoria.

One ounce will sow 100 feet of drill; 3 pounds required for an acre.

Carrots require a very finely pulverized soil to grow them to perfection. A good, light and well-enriched sandy loam is the best for this crop. For field culture, sow in drills 2½ feet apart, so as to cultivate by horse. Market gardeners sow in drills about 15 inches apart and cultivate by hand. For early crops cover ½ inch deep, and thin to 6 inches apart in the rows; for late, cover ¾ inch deep and thin to 4 inches.



**Danvers Half-Long Carrot**

**PULVERIZED SHEEP MANURE** is an excellent fertilizer for Gardens and Lawns. It is entirely free from weed seeds. Put up in 50 and 100 lb. bags.

**Danvers Half-Long.** One of the heaviest croppers; roots dark orange color, 8 to 10 inches in length, and ending in a somewhat abrupt point; first class for all soils. Pkt., .10; oz., .20; ¼ lb., .50

**Oxheart, or Guerande.** Roots short and very thick, and intermediate between Scarlet Horn and Chantenay; color deep orange; fine grained. Pkt., .10; oz., .20; ¼ lb., .50

**Large White Belgian.** Roots very large and smooth; grown exclusively for stock feeding. Grained. Pkt., .10; oz., .20; ¼ lb., .50

**Improved Long Orange.** The best known and most largely cultivated of any Carrot; excellent for stock or table use. Roots deep orange, 12 to 15 inches long. Pkt., .10; oz., .20; ¼ lb., .50

## CAULIFLOWER

German,—Blumenkohl Spanish,—Coliflor  
French,—Chou-fleur.

One ounce of seed will produce 1,500 to 2,000 plants if sown in open ground, or about 3,000 in frames.

To raise good Cauliflower there is nothing so essential to success as good seed. The best Cauliflower seed is very expensive, but it is worth to the grower ten times as much as cheap and carelessly grown seeds. The best results are obtained from using Snowball for main late crop, as well as for early use.

Early Cauliflower are difficult to raise and are not of the best quality, but when the plants are set out in July and the heads form in October, there is no difficulty in getting fine, large heads of first-class quality. The seed should be sown in open ground or, cold frames about the middle of May or first of June, on good soil. When plants are large enough, transplant to rich, moist soil. These remarks refer to Snowball for main late crop, as well as for early use.

**Henderson's Early Snowball.** This is undoubtedly the finest ever introduced. It is the earliest and produces beautiful snow white heads of the most delicious flavor. The seed we offer is pure and genuine, and sure to prove satisfactory. Pkt., .25; oz., \$2.50

**Extra Selected Dwarf Early Erfurt.** The finest strain of the Erfurt Cauliflower; almost as early as the Snowball; grows about 15 inches high; producing very solid, pure white heads of the very finest quality; seldom fails to form a good sized head. Pkt., .20; oz., \$2.50

All kinds of Insecticides, Spray Pumps, Power Sprayers, etc., always on hand. Call and examine or write for catalogue and prices.

## CELERY

German,—Sellerie French,—Celeri Spanish,—Apio  
One ounce will produce 3,000 plants

Sow seed the first or second week in April in hot-bed or cold frame. As soon as the plants have attained a height of three inches transplant, setting them four inches apart. As fall approaches draw earth up to the plants, keeping the stalks well together. When well blanched it is ready for use. Some of the varieties, such as Golden Self-Blanching and White Plume, may be blanched by simply placing a board 12 to 15

inches wide on edge on each side of the row.

**Boston Market.** The best and most popular sort for cultivation. Pkt., .10; oz., .50

**Giant Pascal.** A strong grower and wonderful keeper. Quality very fine. Pkt., .10; oz., .50

**Golden Self-Blanching.** A self-blanching early golden-colored variety that is very popular. Pkt., .10; oz., .75

**White Plume.** A variety that can be more easily grown than any other, as it does not require high banking to blanch the stalks. Simply earthing up enough to keep the stalks together or by passing a string around each plant is sufficient. Pkt., .10; oz., .50

## CORN—Sugar

German,—Welfchkorn French,—Mais  
Spanish,—Maiz

One Half Pound will plant 50 hills; 12 Pounds will plant one acre in hills.

Corn requires a good soil and a warm situation. Commence for first early by planting the early varieties about May 1, and if a continuous supply is wanted all summer, make plantings about two weeks apart from May 1 until the last of July, first planting early varieties, then later ones. Plant in rows 3 feet apart, and make the hills about the same distance apart in the rows. Five kernels in the hills are plenty. Cover about 1 inch deep for early and a little deeper for late. Thin to 3 plants in a hill. Add 6 cents per lb. and for each additional lb. to the same address add 1c, if to be sent by mail.



Crosby's Early

**Crosby's Early.** An early corn of large size and choice quality. It has long been a standard variety. Lb., .30; 2 lbs., .50; 12 lbs., \$3.50



**Early Red Cory.** This variety is the favorite for first early. Lb., .25; 2 lbs., .40; 12 lbs., \$2.75

**White Cob Cory.** This is an improvement over the Early Cory as the cob is white which gives it a finer appearance. It is as early as the Early Cory and of excellent quality. Lb., .25; 2 lbs., .40; 12 lbs., \$2.75

**Stowell's Evergreen.** The best late corn for all purposes. It has been a leader for many years as a main crop variety and is unexcelled as a market corn.

Lb., .25; 2 lbs., .40; 12 lbs., \$2.75

**Country Gentleman.** This is the finest of the medium late varieties. The rows are zig-zag with long slender kernels of delicious flavor.

Lb., .30; 2 lbs., .50; 12 lbs., \$3.50

**Black Mexican.** This corn when in condition for the table cooks remarkably white; but the ripe grain is black or bluish-black. It is unsurpassed by none in tenderness. Lb., .25; 12 lbs., .40; 12 lbs., \$2.75

**Golden Bantam.** The fact that the grains of this variety are yellow is an indication of hardness and its value for early planting and early maturity. It is a rapid grower, and produces ears measuring about 5 inches, but the smallness of ears is fully made up by the deliciously sweet flavor and tender quality of the corn when cooked. It is a fine variety for the home garden.

Lb., .30; 2 lbs., .50; 12 lbs., \$3.50

## FIELD AND FODDER CORN

Prices will be quoted on application on the following corns. Please give the amount desired as well as the kind in all cases.

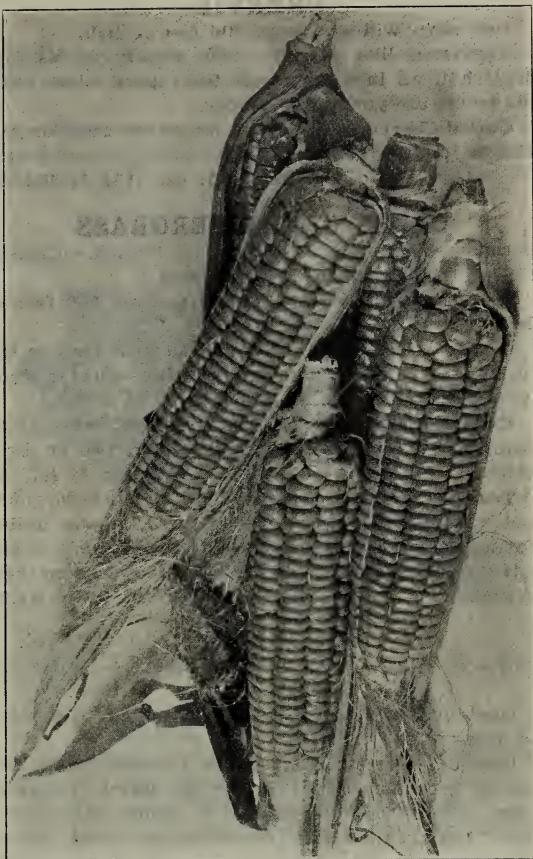
**Southern White.** A white variety that no silo owner or dairy farmer should overlook. It grows 12 to 16 feet high; has broad foliage and tender stocks. There is no better fodder to keep up the flow of milk during hot weather when the grass is burned up. Heavy cropper.

**Leaming.** An early, very heavy, long-eared corn. Grows to medium height with large amount of foliage. One of the best ensilage corns very much relished by stock. Cob red, grain yellow.

**Red Cob.** A very large-growing white dent corn, with red cob. Fodder sweet, juicy and tender. Very popular in northern dairy districts.

**Sanford.** A well-known variety, adapted to the whole of New England. Kernels silvery white flint

**HASKELL'S PRIZETAKER CORN.** This corn has fully maintained its past record as being the very best flint corn grown. This corn showed a test of 12.2 per cent. protein, 5.51 fat and 78.56 carbohydrates, which makes it the highest test corn from a good food value of any of the known flints or dents. On a recent test of this corn, 70 pounds of ears made 63 pounds of shelled corn. This makes an exceptionally fine corn for an ensilage corn as it grows when planted for ensilage very rank, being 10 or 12 feet tall, and the stalks are very fine grain, making a much more profitable corn for ensilage than any of the dent varieties. We have this corn both on the cob and shelled.

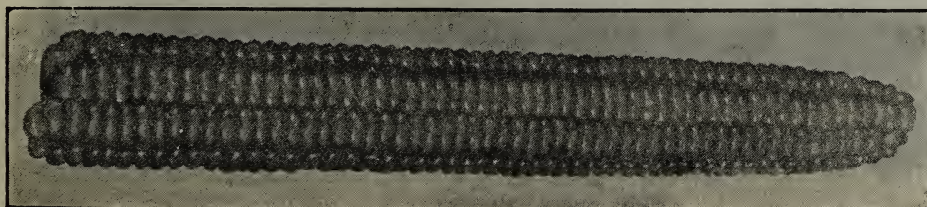


**Golden Bantam**

color; large and broad. An excellent fodder and ensilage corn.

**Eureka.** One of the tallest and best ensilage corn grown. Grows very tall and is very productive of ears and leaves. For the silo this corn is rarely equalled.

**Early Canada.** An eight-rowed, yellow flint variety with small cob and deep grain. This is one of the earliest and best and seldom fails to produce a crop. The Early Canada seed we have to offer was grown in this State.



**Haskell's  
Prizetaker  
Corn**



## CHERVIL

One ounce will sow about 300 feet of drill.

Cultivated like parsley. Sow thickly in May, in drills half an inch deep, one foot apart. Use while the leaves are young and tender.

**Curled Chervil.** The young leaves are used for garnishing, and flavoring soups.

Pkt., .05; oz., .15;  $\frac{1}{4}$  lb., .35

## CRESS OR PEPPERGRASS

German,—Areffe.

French,—Cresson

Spanish,—Masuerzo

One ounce will sow 16 square feet, or 150 feet of drill.

A popular salad, which should be sown early in the spring—very thickly in shallow drills—and at short intervals, for success, as it soon runs to seed.

**Extra Curled.** A small plant, having a fine pungent flavor, and used as a salad; may be cut two or three times.

Pkt., .05; oz., .15;  $\frac{1}{4}$  lb., .35

**True Water Cress.** Grows along the banks of ponds and streams, and is easily introduced, wholly unlike **Extra Curled**; leaves are quite large and thick; a fine salad, sold in immense quantities in the large markets in spring.

Pkt., .10; oz., .40;  $\frac{1}{4}$  lb., \$1.25

## CUCUMBER

German,—Gurfe

French,—Concombre

Spanish,—Pepino

One ounce will plant 50 hills; 2 pounds will plant an acre.

**Culture.**—For earliest use, sow the seed in the hot-bed or greenhouse in February or March, in warm loam, where the temperature is about 90 degrees. Cover half an inch deep, and when the plants are of fair size transplant into hills (made in the greenhouse) four plants in a hill, so that when the weather permits the whole hill can be moved to the open

ground by means of tins made for that purpose. Plant for general use in the open ground about June 1, in hills 6 feet each way, and thin to three plants in a hill. Fine old manure (about six cords per acre) is sufficient; or, better still, plant on land from which a crop has been taken, and which was heavily manured for that crop.

**Davis Perfect.** As now selected, this popular new variety is well worthy of praise. The long, even fruits are of fine form, with an intensely dark rich green skin. With very few seeds the solid white flesh is of superb quality for slicing. So handsome and regular are the fruits that they bring an extra price on market—often being taken for "hot-house grown." The vines are of strong growth and quite prolific.

Pkt., .05; oz., .15;  $\frac{1}{4}$  lb., .45

**Extra Early Russian.** Earliest variety known; hardy and productive. Fruit very small and quality fine for pickling and slicing.

Pkt., .05; oz., .15;  $\frac{1}{4}$  lb., .45

**Early Cluster.** Fruit borne in pairs; light green; a great bearer.

Pkt., .05; oz., .15;  $\frac{1}{4}$  lb., .45

**Early Frame or Short Green.** An excellent sort, both for table use and for pickling. Plants very vigorous and productive. Fruit straight, a little smaller at the end, bright green, lighter at the blossom end. Comes into use a little later than the **Early Cluster** and keeps green a long time. Our stock is very superior.

Pkt., .05; oz., .15;  $\frac{1}{4}$  lb., .45

**Boston Pickling.** Fruit short, smooth and pointed at each end, bright green and a great yielder; one of the best pickling.

Pkt., .05; oz., .15;  $\frac{1}{4}$  lb., .45

**White Spine Improved.** The most popular strain of **White Spine**, and for general out-door culture, the best.

Pkt., .05; oz., .15;  $\frac{1}{4}$  lb., .45

**Long Green Improved.** Fine for pickling when small; good for table use when about half grown.

Pkt., .05; oz., .15;  $\frac{1}{4}$  lb., .45



White Spine Cucumber



**Japanese Climbing.** Vines are extra strong and foliage much more vigorous than other kinds, and being a climbing sort, can be grown on trellises, etc., saving much valuable space in small gardens. It is very prolific, from forty to fifty cucumbers having been counted on single plants. Fruit cylindrical, about ten inches long, thick and of fine flavor.

Pkt., .05; oz., .15;  $\frac{1}{4}$  lb., .50

## DANDELION

German,—Lowenzahn. French,—Pissenlit.

Spanish,—Amargon.

One ounce will sow 100 feet of drill.

The Dandelion resembles endive, and affords one of the earliest as well as one of the most healthful spring greens. Sow as early as the weather will permit, in good, well-enriched soil, in rows 12 inches apart, covering seed  $\frac{1}{4}$  of an inch deep, and firming the soil well over them. Thin to two or three inches apart in the rows; by so doing the roots will be larger and a great amount of time will be saved the next spring in trimming or gathering the crop. One pound per acre is sufficient.

**Improved Thick-Leaved.** Cultivate for spring greens; an immense improvement on the common dandelion, both in size and thickness of its leaves and fine flavor, being far less bitter.

Pkt., .10; oz., .75;  $\frac{1}{4}$  lb., \$2.50

## EGGPLANT

German,—Gierpanze. French,—Aubergine.

Spanish,—Berengena.

The Eggplant will thrive well in any good garden soil, but will repay good treatment. The seeds should be sown in hotbed or warm greenhouse in March or April, and when about an inch high potted in two-inch pots. Plant about June 1, two and one-half feet apart.

**New York Improved Purple.** The leading market variety, and undoubtedly the best for size, quality and productiveness.

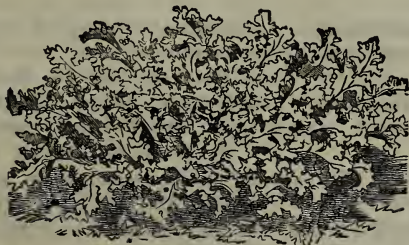
Pkt., .10; oz., .60

## ENDIVE

German,—Gendive. French,—Chicoree.

Spanish,—Endivia.

One of the most refreshing and attractive of all autumn and winter salads. Sow seed from the middle of June until the end of August.



Endive

**Green Curled.** Beautifully curled, tender and crisp.

Pkt., .05; oz., .20;  $\frac{1}{4}$  lb., .75

**Moss Curled.** More finely curled, and a heavier and more dense plant than Green Curled.

Pkt., .05; oz., .20;  $\frac{1}{4}$  lb., .75

**Broad-leaved Batavian (Escarolie).** This variety is chiefly used in soups and stews; requires to be tied up in blanching.

Pkt., .05; oz., .20;  $\frac{1}{4}$  lb., .75



Kale

## KALE OR BORECOLE

German,—Blatter-Kohl. French,—Chou Vert.

Spanish,—Breton.

One ounce will produce 3,000 plants.

Sow from the middle of April to the beginning of May in prepared beds; transplant in June, and treat in the same manner as for cabbage. Of all the cabbage tribe this is the most tender and delicate. The varieties are all extremely hardy, and are best when touched by frost.

**Dwarf German Purple, or Brown Curled.** Very hardy and of fine quality; so handsome that it is frequently grown for ornament.

Pkt., .05; oz., .15;  $\frac{1}{4}$  lb., .40

**Dwarf Green Curled Scotch.** Rarely exceeding 18 inches in height, but spreading out under good cultivation to 3 feet in diameter; leaves beautifully curled and bright green.

Pkt., .05; oz., .15;  $\frac{1}{4}$  lb., .40

## KOHL RABI

German,—Rohl-Rab. French,—Chou-Rave.

Spanish,—Col de nabo.

One ounce will sow 200 feet of drill.

This vegetable, the popularity of which is rapidly increasing, combines the virtues of the turnip and cabbage, but excels both in nutritive, hardy and productive qualities. The seed may be sown in June in rows 18 inches apart, and the plants thinned out to eight or ten inches in the rows.

**Early White Vienna.** Best for general table use; flesh tender and white.

Pkt., .05; oz., .25;  $\frac{1}{4}$  lb., .60



**Purple Vienna.** A little later than the White; color bluish purple. Pkt., .05; oz., .25; ¼ lb., .60

**Large Green or White.** Good for table and also for feeding stock. Pkt., .05; oz., .25; ¼ lb., .60

## LEEK

German,—Lanch.

French,—Poireau.

Spanish,—Puerro.

One ounce will plant 200 feet of drill.

The leek is very hardy and easily cultivated; it succeeds best in a light but well-enriched soil. Sow as early in the spring as practical in drills one inch deep and one foot apart. When six or eight inches high they may be transplanted in rows ten inches apart each way as deep as possible, that the neck, being covered, may be blanched.

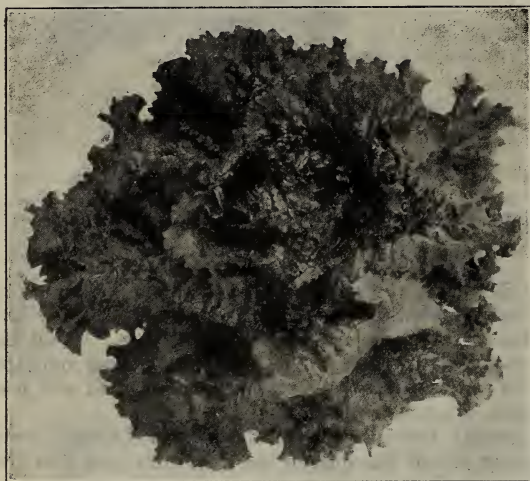
**London Flag.** Very popular with market gardeners.

Pkt., .10; oz., .25; ¼ lb., .75

**American Flag.**

Pkt., .10; oz., .25; ¼ lb., .75

## LETTUCE



German,—Lattich.

French,—Laitue.

Spanish,—Lechnga.

One ounce will sow 120 feet of drill.

Requires a rich, moist soil, and to be crisp and tender needs to be grown in cool weather. For winter use, sow in hotbeds every two weeks, at the rate of one ounce of seed to four sashes (a sash is three feet long by six feet wide); cover very lightly, and transplant, first to three inches apart each way, afterward to eight inches. For garden or field, sow in rows, and cover one-fourth of an inch deep and thin out to 12 inches apart in the rows. For New England the White Seeded Tennisball for cultivation under glass, and the Black Seeded Tennisball for outdoor use are the Standard varieties.

**Big Boston.** A most desirable variety, either for forcing in cold frames or open ground planting; always produces large, solid, saleable ends.

Pkt., .05; oz., .15; ¼ lb., .40

**Boston Curled.** Of ordinary quality but great beauty; highly ornamental in growth with its frilled leaves.

Pkt., .05; oz., .15; ¼ lb., .40

**Prize-Head Early.** Leaves green and red, very thin, crisp and tender; one of the best for private use.

Pkt., .05; oz., .15; ¼ lb., .40

**Tennisball Black-Seeded.** A very popular sort for open-ground culture; forms a handsome head, and is crisp and tender.

Pkt., .05; oz., .15; ¼ lb., .40

**Tennisball, White-Seeded.** Extensively grown for forcing and heading under glass; heads firm and good. Crisp.

Pkt., .05; oz., .15; ¼ lb., .40

**Simpson Early Curled (White Seed).** A leading early sort for forcing or open ground.

Pkt., .05; oz., .15; ¼ lb., .40

**Tomhannock.** A variety with upright leaves, beautifully wrinkled, edges of outer leaves have reddish tinge; one of the best.

Pkt., .05; oz., .15; ¼ lb., .40

**Boston Market.** One of the best for forcing under glass, as well as for outside use; forms fair-sized heads, edge of leaves slightly tinged with red.

Pkt., .05; oz., .15; ¼ lb., .40

**May King.** Probably the finest all-seasons lettuce yet introduced. It is very early and hardy, and will stand cold, damp weather better than many varieties. Planted out of doors or under glass it will produce fine solid heads much sooner than any other variety. Outer leaves are yellowish green, tinged with brown, while the inside is a rich yellow.

Pkt., .05; oz., .15; ¼ lb., .40



May King

**Grand Rapids.** An excellent forcing variety with loose heads and of good size and form.

Pkt., .05; oz., .15; ¼ lb., .40

**Brown Dutch.** Leaves large, thick, green, tinged with brown; forms large, solid heads; exceedingly hardy.

Pkt., .05; oz., .15; ¼ lb., .40

**Hanson.** Large, solid heads; tender, crisp, and of a fine flavor.

Pkt., .05; oz., .15; ¼ lb., .40

**White Paris Cos.** Has long, narrow, upright leaves; does not head, but when tied up blanches very nicely.

Pkt., .05; oz., .15; ¼ lb., .40



## MELON, MUSK

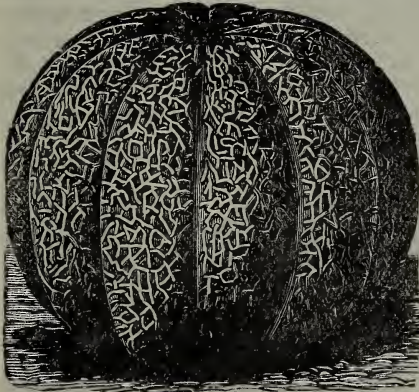
German,—Melone.

Spanish,—Melon.

French,—Melon

One ounce will plant about 50 hills; (2 to 3 pounds in hills) per acre.

Melons thrive best in a light, rich soil. Plant early in May, when the ground has become warm and dry, in hills six feet apart each way for Muskmelons; eight feet for Watermelons. Previous to sowing the seed mix a few shovelfuls of well-rotted manure in each hill, and plant in each twelve to fifteen seeds; after all danger of bugs is over, thin out to three plants per hill. When about one foot long, pinch off the tips to make them branch, as it strengthens the growth of the vines and makes the fruit mature earlier. Feed liquid manure occasionally. A few hills for early use may be had by sowing on pieces of sod in a hotbed, and when warm enough transplant to open ground.



Musk Melon

**Emerald Gem Melon.** The Emerald Gem is entirely unlike any other muskmelon yet introduced. The melons are about the size of the Netted Gem but unlike that variety, the skin while ribbed, is perfectly smooth, and of a very deep emerald green color. The flesh which is thicker than any other native melon of the same size, is of a suffused salmon color, and ripens thoroughly to the thin green rind, which is distinctly defined. The flesh is peculiarly crystalline in appearance, and so very juicy, sweet and rich that it almost drops to pieces. It matures very early and is quite productive. Pkt., .05; oz., .15; ¼ lb., .50

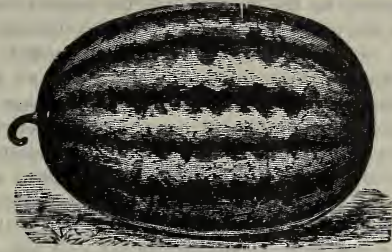
**Rocky Ford.** This new Muskmelon is similar to the oval strain of Netted Gem. The strain here offered originated with the melon growers in the vicinity of Rocky Ford, Col., who have shipped this melon from that distant Western point to eastern markets. The melons grown by them are so fine in quality as to out-sell all others, and the demand for such melons has been far beyond the supply.

Pkt., .05; oz., .15; ¼ lb., .50

**Long Yellow Musk.** A long, large melon of peculiar musky flavor; a rich, yellow color, both inside and out.

Pkt., .05; oz., .15; ¼ lb., .50

**Early Hackensack.** An improvement over the old Hackensack, producing melons of as good quality and ten days earlier. Large fruit, with thick, green flesh of the finest flavor. Pkt., .05; oz., .15; ¼ lb., .50



## MELON, WATER

German,—Waffermelone.

Spanish,—Zandia.

French,—Melon d'Eau.

One ounce will plant 50 hills.

Prices on all varieties of Watermelons as follows: .05 per pkt.; .10 per oz.; ¼ lb., .25.

**Citron for Preserves.** The old and well-known Preserving Citron; seeds red.

**New Florida Favorite.** An improvement on the old Florida Favorite, growing to double the size and more prolific. Its perfect shape, bright red crisp flesh, and delicious flavor, make it one of the best melons grown.

**Phinney's Early.** This is another very early melon, earlier than the preceding; it is hardy and a sure cropper and extensively cultivated in the North.

**Peerless or Ice Cream.** Very early; flesh firm and sugary.

**Cuban Queen.** Very productive; flesh bright red, very solid, crispy and sugary.

## MUSTARD

German,—Senf.

French,—Moutarde.

Spanish,—Mostaza.

One ounce will sow 75 feet of drill.

As an ingredient, the green Mustard imparts a delightfully pungent flavor to the various forms of prepared salads. For early crops the seed may be sown in a hotbed in March, and for general crop at frequent intervals through the spring, in drills from eight to twelve inches apart.

**White London.** Considered the best for salads and spinach; leaves light green. It is best when about four inches high. Pkt., .05; oz., .10; ¼ lb., .15

**Brown or Black.** Pkt., .05; oz., 10; ¼ lb., .15

## ONION

Select the cleanest, richest land on the farm for the Onion crop. If Onions are grown on the land the previous year, so much the better, but any good corn or potato land will do. Broadcast fifteen to twenty cords of fine, well-rotted manure to the acre and plow not deeper than six inches; harrow thoroughly, cross plow, and harrow again, after which hand rake with wood rake and remove stones and rubbish. Sow four

to five pounds of seed per acre in drills twelve to fourteen inches apart and about one-half inch deep. See that the Seed Drill is equipped with a good roller, that will press the earth firmly upon the seed. Sow as early in the spring as the ground can be properly worked. There is seldom necessity for thinning Onions if the land has been properly manured and seeded. After the Onions are three to four inches high, an application of about five hundred pounds to the acre of fertilizer, rich in available nitrogen, strewn between the rows, will be very beneficial. Keep the Onions growing by never allowing the weeds to get ahead and the acre should produce in a good average season, five hundred to seven hundred bushels. When the tops are down, the Onions may be pulled and left on the ground, and should be frequently turned with a wooden rake until tops are dried.



**Yellow Globe Danvers**

**Yellow Globe Danvers.** Undoubtedly the best known and most popular of all onions; the earliest yellow variety; is entirely free from stiff necks. Globular in shape; has a small top. It is the most productive onion grown. Pkt., .10; oz., .40; ¼ lb., \$1.25

**Large Red Wethersfield.** We have a very fine and select strain of this sort. Color is deep purplish red, flesh white, moderately grained and very firm. Yields enormously and is one of the best winter keeping onions. Pkt., .10; oz., .40; ¼ lb., \$1.25

**White Portugal, or Silverskin.** A large flat, white onion of mild and pleasant flavor; hard and fine grained, and a good keeper. Extensively sown for sets, and is also largely grown for pickling.

Pkt., .10; oz., .40; ¼ lb., \$1.25

**Southport Red Globe.** The onions from Southport, Ct., generally command an extra price in New York markets, because of their beautiful shape and color, due partly to the variety grown and partly to the favorable soil and the extra care taken in handling the crop.

Pkt., .10; oz., .40; ¼ lb., \$1.25

**Prize-Taker.** A Globe-shaped variety of delicate straw color, growing to a very large size. It ripens up hard and firm, the flesh being pure white. Fine grained and of fine, mild, delicate flavor.

Pkt., .10; oz., .40; ¼ lb., \$1.25

## ONION SETS

Potato Onion Sets .....	lb., .30; 8 lbs., \$1.75
Red Bottom Sets .....	lb., .30; 8 lbs., 1.75
White Bottom Sets .....	lb., .30; 8 lbs., 1.75
Yellow Bottom Sets .....	lb., .30; 8 lbs., 1.75
Top Sets .....	lb., .30; 8 lbs., 1.75

Onion Sets should be planted as early in the spring as convenient to obtain nearly green onions, but they may be set at any time up to June 1. Set in rows a foot apart, and three to four inches between them in the row. Any good soil will suit them. When grown in quantities, high cultivation is given in order to forward the crop for an early market. They are ready for use as soon as the bulbs begin to be of fair size. Those not used in green condition will ripen early in July and make nice onions. Potato and Top onions are grown from bulbs only.



**Moss Curled**

## PARSLEY

German,—Peterfile.

French,—Persil.

Spanish,—Perejil.

One ounce for 150 feet of drill.

Parsley succeeds best in rich, mellow soil. As the seed germinates very slowly, it should be sown early in spring, previously soaking the seed for a few hours in tepid water. Sow thickly in rows a foot apart and half an inch deep.

**Champion Moss Curled.** The standard variety.

Pkt., .05; oz., .15; ¼ lb., .35

**Buy one of our Garden Seeders.** You can save the price of it in one season in time and seed. It is the most economical of seeders made. Send for catalog and prices.



German,—Erbren.

## PEAS

French,—Pois.

Spanish,—Guizante.

One pound for 50 feet of drill; one to two bushels in drills for an acre.

Peas come earliest to maturity in light, rich soil. For general crop, a deep loam or a soil strongly inclining to clay is best. For early crops decomposed leaves or leaf-mold should be used; or, if the soil is very poor, strong manure may be used. For general crops a good dressing should be applied, and for the dwarf-growing kinds the soil can hardly be too rich.



**Sutton's Excelsior**

When grown as a market crop, peas are never staked; for private use they are generally sown in double rows, and the tall varieties staked up by brush. For an early crop sow as soon as the ground can be worked, and make repeated sowings every two weeks for succession. After the first of June sowing should be discontinued until the middle of August, when a good crop may sometimes be secured by sowing an extra-early sort for fall use.

If sent by mail add .06 per lb.; and for each additional lb. to same address add .01.

All marked thus (\*) indicate wrinkled varieties.

### Extra Early Dwarf Varieties

**\*Bliss American Wonder.** An old variety, but still highly prized for its flavor and quality. Of dwarf, robust habit, growing twelve to fifteen inches in height, and bearing an abundance of good-sized, well filled pods.

Lb., .45; 2 lbs., .85

**\*Sutton's Excelsior.** Ripens early on vines fourteen to sixteen inches high, covered with a great abundance of long, straight broad pods of a pale green color.

Price

Lb., .45; 2 lbs., .85

**\*Nott's Excelsior.** This is the earliest dwarf wrinkled pea. The plant is dwarf and needs no support. The pods are of good size and well filled with large peas of the finest quality. It is as early as the American Wonder, while the vines are much more productive and the pods of larger size. There is no better early dwarf pea. Fifteen inches.

Lb., .45; 2 lbs., .85

**\*Laxtonian.** One of the best dwarf wrinkled peas for the market gardener. Pods about 4 inches long, resembling those of Gradus, but ripening a little earlier. Vines productive and vigorous; average height less than 18 inches.

Lb., .45; 2 lbs., .85; 14 lbs., \$5.00

**\*Pioneer.** An improvement on the popular Laxtonian. Vines about 20 inches high; color, light green. Vigorous growth. The pods pointed and a little darker in color than the vine. Considered fully four days earlier than Laxtonian.

Lb., .45; 2 lbs., .85; 14 lbs., \$5.00

### Extra Early Variety Not Dwarf

**Alaska.** An extra early round pea bearing pods of a dark green color; two feet.

Lb., .40; 2 lbs., .75; 14 lbs., \$5.00

**\*Gradus, or Prosperity.** It combines the finest quality with extreme earliness, and is also productive, bearing pods fully as large as Telephone. The color of the shelled peas is a beautiful light green, which color they retain after being cooked; the quality and flavor are delicious, and the peas remain tender and sweet for a long time.

Lb., .45; 2 lbs., .85



**Thomas Laxton**

## PEAS (Continued)

**\*Thomas Laxton.** One of the very best of the tall growing, large pod, early peas. The plant is a very hardy and strong grower, producing extra large pods in abundance. The quality is delicious, and cannot be surpassed by any other variety. The "Thomas Laxton" will mature nearly as early as any of the extra early smooth peas, and being a wrinkled sort is much sweeter. **Lb., .45; 2 lbs., .85**

**\*Early Morn.** One of the earliest and most productive. The pods are very large and well filled. Very fine flavor. **Lb., .45; 2 lbs., .85**

### Second Early Varieties

**\*Heroine.** One of the very best late kinds. Very long pods well filled with deliciously sweet dark green peas. Two feet. **Lb., .45; 2 lbs., .85**

**\*Telephone.** A pea of the finest quality, sweet and delicious. Medium late, growing four feet tall with pods of the largest size. **Lb., .45; 2 lbs., .85**

**\*Yorkshire Hero.** Bears large, well filled pods on stocky, vigorous vines. A first-class late pea. Two feet. **Lb., .45; 2 lbs., .85**

**\*Bliss Everbearing.** Medium late and very productive. Two feet tall. **Lb., .45; 2 lbs., .85; 14 lbs., \$5.00**

**\*Dwarf Champion.** Possesses all the merits of the reliable Champion of England. A hardy, robust grower, producing dark green pods of good size and in great abundance. Quality excellent. **Lb., .45; 2 lbs., .85**

**\*Dwarf Telephone (Carter's Daisy).** Similar to the Tall Telephone except in the height of the vine, which is only about two feet. **Lb., .45; 2 lbs., .85**

**\*Admiral Dewey.** An enormous cropper; peas very large and sweet. **Lb., .45; 2 lbs., .85**

### Late Variety for General Crop

**\*Champion of England.** The standard for quality. Grows four feet tall, very prolific, and still one of the best late peas. **Lb., .45; 2 lbs., .85**

**White Marrowfat.** A good late sort. Cultivated very extensively for the summer crop. **Lb., .25; 2 lbs., .45; 15 lbs., \$2.40**

**Black-Eyed Marrowfat.** An old and standard late variety for garden or field use. **Lb., .25; 2 lbs., .45; 15 lbs., \$2.40**

**Canada Field.** Seeds small white; for field culture only; largely used for sowing among oats. Price on application.

## PEPPER

German,—Pfeffer. French,—Piment. Spanish,—Pimiento.

**One ounce will produce 2,000 plants.**

Grown largely for pickles. Sow in hotbeds early in April, and transplant to the open ground when the weather is favorable. They should be planted in warm, mellow soil in rows 18 inches apart. They may also be sown in the open ground when danger of frost is past.

**Large Bell, or Bull Nose.** A favorite and well-known pickling sort. Is early, large, mild and thick skinned. **Pkt., .10; oz., .40**

**Long Red Cayenne.** A small, long, bright red sort, very productive; extremely strong and pungent. **Pkt., .10; oz., .50**

## PUMPKIN

German,—Kurbis. French,—Poitron.

**One ounce will plant 20 hills.**

**Spanish Cabbage**

Pumpkins are grown chiefly as food for stock. The usual method of planting is to scatter a few seeds at intervals in the hills when planting Indian corn; in this way good crops of pumpkins are secured with slight labor and expense, and make a valuable addition to the season's crops.



**Connecticut Field.** The common yellow pumpkin, grown chiefly for feeding stock. **Pkg., .05; oz., .10; ¼ lb., .30; lb., \$1.00**

**Large Cheese or Kentucky Field.** A most popular variety. Fruit flattened, the diameter being two or three times more than the length. **Pkg., .05; oz., .10; ¼ lb., .30; lb., \$1.00**

**Sweet or Sugar.** A small variety, fine-grained and sweet; the best for table use. **Pkg., .05; oz., .10; ¼ lb., .30; lb., \$1.00**

## PARSNIP

German,—Pastinake. French,—Panais. Spanish,—Pastinaca.

**One oz. for 150 feet of drill; five pounds in drills for an acre.**

Sow in drills as early in spring as the weather will admit, fifteen inches apart, covering half an inch deep. When well up thin out to five or six inches apart in the rows. Unlike carrots, they are improved by frost, and it is usual to take up in the fall a certain quantity for winter use, leaving the rest in the ground till spring, to be dug as required.

Prices on all varieties of parsnips as follows:

**Pkts., .05; oz., .15; ¼ lb., .50; prices in quantity on application.**

**Abbott's Improved Hollow Crown.** Smooth and quite large; fine sort.



**Guernsey.** Roots not quite so long as Hollow Crown, but of greater diameter and more easily gathered.

**Long Smooth.** As name implies, very smooth, free from roots, and a general favorite.

## RADISH

German,—Rettig. Rabies Spanish,—Rabano.

French,—Radis, Rave, Petite Rave.

One ounce will sow 100 feet of drill.

**Culture.** The soil for Radishes should be very rich, light and mellow, well broken by digging as their tender and mild qualities depend very much upon their rapid growth. For very early use sow in hotbeds in February and March and in the open air as soon as the ground can be worked, at intervals of ten or twelve days for a succession as long as they may be wanted. The winter varieties should be sown in August, lifted before severe frost, and stored in the cellar.



### Early Scarlet Turnip Radish

**French Breakfast.** Olive-shaped scarlet, with white tip; crisp and tender. Very early. A general favorite.

Pkt., .05; oz., .15; ¼ lb., .45; lb., \$1.50

**Early Scarlet Turnip.** A well known and popular variety. Small top of quick growth, mild and crisp.

Pkt., .05; oz., .15; ¼ lb., .45; lb., \$1.50

**Non Plus Ultra.** One of the earliest forcing radishes, being ready for the table in three weeks from planting. Roots round and bright scarlet, crisp and delicate.

Pkt., .05; oz., .15; ¼ lb., .45; lb., \$1.50

**China Rose.** Bright rose-colored skin; flesh white and quality excellent; one of the best for fall and winter use.

Pkt., .05; oz., .15; ¼ lb., .45; lb., \$1.50

**Long White Vienna.** Of rapid growth and beautiful shape; skin and flesh snow-white. The finest of long white radishes.

Pkt., .05; oz., .15; ¼ lb., .45; lb., \$1.50

**Long Black Spanish.** Long black, flesh white and slightly pungent; one of the latest and hardest.

Pkt., .05; oz., .15; ¼ lb., .45; lb., \$1.50

**Round Black Spanish.** Skin black, white fleshed and piquant flavor.

Pkt., .05; oz., .15; ¼ lb., .45; lb., \$1.50

**Vick's Scarlet Globe Radish.** A leader among bright round Red Radishes. Quick maturing, extremely attractive, short tops, solid and fine flavor.

Pkt., .05; oz., .15; ¼ lb., .45; lb., \$1.50

**Early Scarlet Turnip, White Tipped.** One of the handsomest of the turnip radishes and a great favorite in many large markets for early planting outdoors. Roots slightly flattened on the under side; color, very deep scarlet with a white tip; flesh white and of the best quality.

Pkt., .05; oz., .15; ¼ lb., .45; lb., \$1.50

**Crimson Giant Forcing.** Best of forcing sorts. Grown larger than other turnip shaped varieties and fine eating.

Pkt., .05; oz., .15; ¼ lb., .45; lb., \$1.50

**Long Scarlet.** Short top. The standard variety of the long sorts, used either for forcing or open culture; six or seven inches long.

Pkt., .05; oz., .15; ¼ lb., .45; lb., \$1.50

**Chartier.** Decidedly distinct in appearance from any radish in cultivation. The color at the top being crimson, running into pink about the middle, and from thence downward it is a pure waxy white. It will attain a very large size before it becomes unfit for the table.

Pkt., .05; oz., .15; ¼ lb., .45; lb., \$1.50

## SALSIFY OR OYSTER PLANT

German,—Bocksbart.

French,—Salsifis.

Spanish,—Ostra vegetal.

One ounce will sow 50 feet of drill.

**Culture.** Sow the seed in light, deep soil, early in the spring, in drills twelve inches apart and one inch deep, thinning out the young plants to four or five inches. The roots will be ready for use in October, when a supply should be taken up and stored, like carrots. Those remaining till spring should be dug up before commencing their growth.

**Mammoth Sandwich Island.** We consider this the largest and most profitable salsify in cultivation. It is pure white in color and invaluable to market gardeners.

Pkt., .05; oz., .25; ¼ lb., .75

## SUNFLOWER

**Mammoth Russian.** The standard large-growing variety, which is used largely for feeding poultry.

Pkt., .05; ¼ lb., .15; lb., .40

German,—Spinat. **SPINACH** French,—Espinard.  
Spanish,—Espinaca.

One ounce for 100 feet of drill; 10 to 12 pounds in drills for an acre.

This is a very important crop in our market gardens, and is one of the most easily managed of all vegetables, requiring but little culture, and may be had fit for use the entire season. The main crop is sown in September. It is sometimes covered up in exposed places with straw or salt hay during winter, which prevents it from being cut with frost; but in sheltered fields there is no necessity for covering. For summer use it may be sown at intervals of two or three weeks from April to August. Spinach is best developed and most tender when grown in rich soil.

Prices on all varieties as follows:

Pkt., .05; oz., .10; ¼ lb., .30; lb., \$1.00



Spinach

**Giant Thick Leaf.** This variety gives the best results. The leaves are large, thick and somewhat crumpled, and it is equally good for spring or autumn sowing.

**New Zealand.** A valuable variety for the garden as it produces the thick, tender leaves throughout the summer. Grows very large and luxuriantly in warm, rich soil.

**Long Standing Thick Leaved.** Stands longest before running to seed; dark green.

## TOMATO

German,—Liebsapfel. Spanish,—Tomate.

In this latitude to produce extra early tomatoes the seed should be planted in the hotbed about the middle of February, in drills five inches apart, and not over one-half inch deep. When the plants are two inches high they should be transplanted three to four inches apart. The final transplanting to the open ground may be made the last of May, when the plants should be fine, large and stocky, and if sufficient soil is taken up with each plant, they will keep right on growing with no setback.

For ordinary plants, sow the seed early in March, and transplant, once in the hotbed and from hotbed into cold frames about four inches apart. The last of May they will be ready for the open ground where the Dwarf varieties should be planted 3¼ feet apart and the spreading varieties 4 to 4½ feet apart.

**Earliana.** It is remarkable for its earliness, very large size, handsome shape and bright red color. Its solidity and fine qualities are equal to the best medium and late sorts. Pkt., .05; oz., .30; ¼ lb., \$1.25



Dwarf Champion

**Dwarf Champion.** Dwarf and strong habit of growth; very solid and of extra quality.

Pkt., .05; oz., .30; ¼ lb., \$1.00

**Livingston's Favorite.** Smoother than the Paragon, is a darker red than the Perfection; ripens evenly, and is as early as any good variety.

Pkt., .05; oz., .30; ¼ lb., \$1.00

**Livingston's Beauty.** Very glossy, crimson in color, slight tinge of purple; early; free from rot; skin tough, bears handling remarkably well.

Pkt., .05; oz., .30; ¼ lb., \$1.00

**Ponderosa.** Very large, solid and of a good flavor. Specimens have been grown to weigh four pounds. Bright red. Very few seeds.

Pkt., .05; oz., .30; ¼ lb., \$1.00

**Stone.** Fruit very large and deep; bright scarlet, smooth, ripening evenly to the stem without a crack; exceedingly solid and firm-fleshed, of the finest quality; one of the best for family use and for canneries. Late.

Pkt., .05; oz., .30; ¼ lb., \$1.00

**Chalk's Early Jewel.** This is a very productive variety. Ripens nearly as early as Spark's Earliana, but is more desirable for home use as the fruits are thicker through and more solid; borne in large clusters. Color bright scarlet and quality good.

Pkt., .05; oz., .30; ¼ lb., \$1.00





**June Pink.** An early variety, similar in habit to the famous Earliana, differing only in its color, which is pink instead of red. Early, blight resisting, long and heavy yielding. An excellent shipper on account of its reasonably tough skin.

Pkt., .05; oz., .30; ¼ lb., \$1.00

**Matchless.** Very large, smooth, solid and fine flavor. Cardinal red.

Pkt., .05; oz., .30; ¼ lb., \$1.00

## SQUASH

German,—Kurbiss. French,—Courage. Spanish,—Calabaza.

One ounce Early will plant 50 hills; one ounce Marrow, 25 hills.

**Culture.** The plants are very tender and sensitive to cold, and planting must be delayed until settled warm weather. The general principles of culture are the same as those given for cucumbers and melons, but the plants are less particular as to soil. The summer varieties should be planted four feet apart each way, and the winter sorts eight feet. Three plants are sufficient for a hill. Care should be taken not to break the stems from the squashes intended for winter use, as the slightest injury will increase the liability to decay.

**Improved Hubbard.** The well-known and standard late variety; our strain is excellent.

Pkt., .05; oz., .15; ¼ lb., 50; lb., \$1.50

**Golden Hubbard.** A genuine Hubbard Squash except in color, which is a bright red, quality excellent.

Pkt., .05; oz., .15; ¼ lb., 50; lb., \$1.50

**Warted Hubbard.** A superior strain of mammoth size, and entirely covered with warty excrescences. Rich, dark-green color, and of very best quality.

Pkt., .05; oz., .15; ¼ lb., 50; lb., \$1.50

**Giant Summer Crookneck.** Double the size of an ordinary Crookneck and very warty, but similar in

other respects. Their handsome appearance commands an extra price in the market.

Pkt., .05; oz., .15; ¼ lb., 50; lb., \$1.50

**Winter Crookneck.** An excellent keeping Crookneck variety, lasting several months. Yellow skin, and a well-known squash.

Pkt., .05; oz., .15; ¼ lb., 50; lb., \$1.50

**Delicious.** We have found in this squash all that the originator claims for it. It is the driest, sweetest and finest flavored squash we have ever tasted. A fall and winter squash and is a good keeper.

Pkt., .05; oz., .15; ¼ lb., .50; lb., \$1.50

**Boston Marrow.** Fine fall variety; oval bright orange; flesh yellow and firm; best for pies, and also for canning. Pkt., .05; oz., .15; ¼ lb., .50; lb., \$1.50

**Early White Bush Scalloped.** A standard summer variety; good either for home or market garden.

Pkt., .05; oz., .15; ¼ lb., 50; lb., \$1.50

**Essex Hybrid or Hard-Shelled Turban.** A standard winter sort; flesh a trifle darker than the Hubbard; an excellent keeper.

Pkt., .05; oz., .15; ¼ lb., .50; lb., \$1.50

## TOBACCO

**Connecticut Seed Leaf.** Best adapted for the climate of the Northern and Middle States. Pkt., .05; oz., .30

## TURNIP

German,—Steckrube.

French,—Navet.

Spanish,—Nabo Comun.

Turnips may be sown at all seasons from April to August in our climate, although those will be the best which are sown very early in spring for summer crops, and early in August for a fall and winter crop. A light soil, well manured the previous year, is the best, a few hundred pounds per acre of quick-acting fertilizer will have a tendency to make the roots smooth, and to make the rapid growth so essential in producing sweet and palatable turnips.

**Extra Early Purple Top Milan (Flat).** The earliest turnip in cultivation and a splendid variety; favorite with gardeners who want first turnips in market. Bulb white, flat, of medium size, with a bright purple top; one of the sweetest and finest flavored of summer sorts. Pkt., .05; oz., .15; ¼ lb., .50; lb., \$1.75

**Extra Early White Milan.** This is one of our most popular turnips for spring sowing. It is a splendid extra early turnip in which the extreme earliness, small top and tap-root of the Purple Top Milan is united with clear white skin and flesh.

Pkt., .05; oz., .15; ¼ lb., .50; lb., \$1.75

**Purple Top Strap Leaf.** Rapid grower and mild flavor. The most popular variety for early use, either for the table or stock.

Pkt., .05; oz., .15; ¼ lb., .50; lb., \$1.75

**Yellow Stone.** A very popular yellow-fleshed variety, fine for table use. Flesh very firm, tender, sweet and fine flavored; an excellent keeper.

Pkt., .05; oz., .15; ¼ lb., .50; lb., \$1.75

**White Six Weeks.** Very early, white and sweet. An excellent early table variety.

Pkt., .05; oz., .15; ¼ lb., .50; lb., \$1.75

**White Egg.** Belongs to the class of quick-growing fall turnips, and for this purpose should be sown in this latitude between August 1 and 10. Its shape is nearly oval or egg, as its name would indicate.

Pkt., .05; oz., .15; ¼ lb., .50; lb., \$1.75



Ruta Bagas, or Swedes, should be planted from the last of June to about July 10, as they require more time in which to mature than the Early or Strap Leaf varieties. Newly-turned soil will produce the sweetest and smoothest turnips.

### Ruta Baga or Swedish Turnip

**Rutabaga Bangholm.** Oblong, globular shaped, with very small neck, yellow flesh, very dark purple top, superior to all other Swedes. One of the very heaviest croppers.

Pkt., .05; oz., .10; ¼ lb., .35; lb., \$1.15

**Long Island Purple.** Undoubtedly the finest variety of purple-top Ruta Baga. Leaves few and small; bulbs fine shaped with very short, small necks; purple

crown, skin and flesh bright yellow, solid, sweet and mild flavor. Pkt., .05; oz., .10; ¼ lb., .35; lb., \$1.15

**White Sweet German.** Sweet, and fine flavor. Good keeper. Pkt., .05; oz., .10; ¼ lb., .35; lb., \$1.15

**Imperial Hardy Swede.** Claimed by many to be the best Swede turnip grown. Bulb of large size with purple crown; flesh yellow; very smooth and heavy cropper. Pkt., .05; oz., .10; ¼ lb., .35; lb., \$1.15

**Skirving's Purple Top.** Well-known yellow fleshed variety of large size and fine quality; for stock or table. Pkt., .05; oz., .10; ¼ lb., .35; lb., \$1.15

## QUANTITIES SEED REQUIRED

Vegetable	Amt. of seed	Will give or plant	Space between rows	Space in rows
Asparagus.....	1 oz.	800 plants	36 in.	18-24 in.
Beans, bush.....	1 qt.	100 feet	24-30 in.	4-6 in.
Beans, pole.....	1 qt.	100 hills	36-42 in.	36-42 in.
Beet.....	1 oz.	50 feet	12-15 in.	3-4 in.
Cabbage, early.....	1 oz.	1500 plants	24-30 in.	15-18 in.
Cabbage, late.....	1 oz.	1500 plants	30-36 in.	18-24 in.
Carrot.....	1 oz.	100 ft.	12-15 in.	2-3 in.
Celery.....	1 oz.	3000 plants	36 in.	6-8 in.
Corn.....	1 qt.	200 hills	36 in.	12 in.
Cucumber.....	1 oz.	50 hills	48-60 in.	60-72 in.
Egg Plant.....	1 oz.	1000 plants	30-36 in.	18-24 in.
Endive.....	1 oz.	150 feet	12-15 in.	8-10 in.
Lettuce.....	1 oz.	200 feet	12-15 in.	6-8 in.
Lettuce.....	1 oz.	2000 plants	12-15 in.	6-8 in.
Onion.....	1 oz.	100 feet	11-12 in.	1-2 in.
Parsley.....	1 oz.	150 feet	12-15 in.	1-2 in.
Parsnip.....	1 oz.	150 feet	15-18 in.	2-3 in.
Pepper.....	1 oz.	1000 plants	30-36 in.	18 in.
Potato.....	1 pk.	200 feet	30-36 in.	15-18 in.
Pumpkin.....	1 oz.	25 hills	8-10 ft.	6-8 ft.
Radish.....	1 oz.	100 feet	12 in.	1-2 in.
Rhubarb (roots).....	.....	.....	30-36 in.	24-30 in.
Salsify.....	1 oz.	50 feet	15-18 in.	1-2 in.
Spinach.....	1 oz.	100 feet	12 in.	4-6 in.
Tomato.....	1 oz.	2000 plants	36-48 in.	36-48 in.
Turnip.....	1 oz.	200 feet	12-15 in.	3-4 in.

## VEGETABLE AND FLOWER PLANTS

We have in their season a choice assortment of both vegetable and flower plants.

**Tomato Plants.** Essex Hybrid. Dwarf Champion, Chalk's Jewel, Earliana, etc.

**Cabbage Plants.** All seasons, Stone Mason, Drum-head, Danish Ball Head, Early Summer, etc.

**Cauliflower.** Snowball.

**Celery.** Giant Pascal, Boston Market, White Plume.

**Flower Plants.** Pansies, Geraniums, Verbenas, Stocks, Salvia, Asters.

Our Plants are all grown for us locally and are hardy and vigorous. Prices as low as can be made and furnish good strong, healthy plants.

## BIRD SEED

Add 6c per lb., each additional lb. add .01 for postage.

Price subject to variations of the Market.

**Canary.** Sicily, selected

**Hemp.** Russian, first quality

**Rape.**

**Sunflower.** Russian

**Millet.**

**Cuttlefish.**

**Unhulled Rice.**



## Grasses and Grains

**NOTE**—Owing to the frequent changes in price of Grains and Grasses we have refrained from inserting prices of them in this catalogue. The lowest market price will be quoted on application.

### SPECIAL ATTENTION

While we carry several grades of the different varieties of seeds, we recommend our Purity Brand as the very best the market affords. These seeds are strictly Northern grown, and are selected by us because they possess the two essential qualities of purity and vitality. It is well known that there have been large quantities of Grass and Clover Seed sold as pure, which official analysis has shown to contain large percentages of adulteration. This not only defrauds the planter by selling him a worse than useless article, but inflicts injury also by filling his land with noxious weeds. We list Grass and Clover Seed according to their quality, grading down from our Purity Brand, which is always the best.

**Timothy, Clovers, Millets, Red Top**  
in several grades

**Purity Brand Lawn Seed**  
Our own mixture, from the purest seeds obtainable.  
We can surely please you on this brand.

### CHOICE GRASS SEEDS FOR LAWN AND FARM

Timothy	Canadian Blue Grass
Medium Red Clover	Orchard Grass
Mammoth Red Clover	English Rye Grass
Alsyke Clover	Meadow Fescue
White Clover	Rhode Island Bent
Crimson Clover	Meadow Oat Grass
White Sweet or Bokhara Clover	Sheep's Fescue
Alfalfa Clover	Crested Dog's Tail
Red Top	Sweet Vernal
Kentucky Blue Grass	

#### Grains

Prices subject to Market Changes

Barley, Fancy No. 1, Montana Two-Rowed.
Barley, Beardless.
Seed Oats, No. 1, Montana choice.
Spring Rye. Best Northern grown.
Winter Rye. New England grown.
Spring Wheat. Northern grown.
Winter Wheat. Northern grown.
Buckwheat.

#### Millets

Hungarians	Japanese	Siberian
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#### Miscellaneous Seeds

Canadian Field Peas	Dwarf Essex Rape
Soja Beans	Spring Vetch
Cow Peas	Winter Vetch

### TABLE

Showing Weight per Bushel, also Quantities sown per acre of Grass, Grain and Vegetable Seeds.

	Weight per Bushel	Quantity per acre Usually Sown			
Timothy	45 lbs.	½ bu.	Meadow Fescue	15 lbs.	
Clover, Red	60 lbs.	10 to 20 lbs.	Tall Fescue	15 lbs.	(Used in mix-
Clover, Alsyke	60 lbs.	10 to 15 lbs.	Sheep Fescue	12 lbs.	tures for past-
Clover, White	60 lbs.	10 to 15 lbs.	Hard Fescue	14 lbs.	ures)
Clover, Crimson	60 lbs.	10 to 15 lbs.	Meadow Foxtail	8 lbs.	(Grains used
Clover, Alfalfa	60 lbs.	15 to 20 lbs.	Rough Stalked Meadow	4 lbs.	for pastures,
Red Top, unhulled	10 lbs.	2½ to 3 bu.	Wood Meadow	14 lbs.	grain lands,
Red Top, cleaned	30-40 lbs.	10 to 15 lbs.	Crested Dog's Tail	28 lbs.	etc.)
Millet, Hungarian	48 lbs.	½ to 1 bu.	Sweet Vernal	11 lbs.	
Millet, German	50 lbs.	½ to 1 bu.	Seed Barley	48 lbs.	2 to 3 bu.
Millet, Japanese	35 lbs.	½ to ¾ bu.	Seed Wheat	60 lbs.	1½ bu.
Millet, Siberian	50 lbs.	½ to 1 bu.	Seed Rye	56 lbs.	1½ bu.
Bent, Fancy	35 lbs.	15 bu.	Seed Oats	32 lbs.	2 to 3 bu.
Bent, R. I.	10 lbs.	3 bu.	Seed Buckwheat	48 lbs.	¾ to 1 bu.
Orchard Grass	14 lbs.	2 to 3 bu.	Flax	56 lbs.	1 to 2 bu.
Blue Grass	14 lbs.	2 to 3 bu.	Canary	60 lbs.	
Fowl Meadow	11 lbs.	1 to 2 bu.	Hemp	40 lbs.	
Lawn Seed	16 lbs.	3½ to 4½ lbs.	Rape, German	50 lbs.	
Lawn Seed, Special	40 lbs.	1½ to 2 bu.	Rape, Dwarf, Essex	50 lbs.	
Perennial Rye Grass	24 lbs.		Corn, Field	56 lbs.	8 to 12 qts.
Italian Rye Grass	18 lbs.		Corn, Fodder	56 lbs.	3 bu.
Tall Oat Grass	12 lbs.		Corn, Sweet	45 lbs.	8 to 10 qts.
Yellow Oat Grass	8 lbs.		Beans, White	60 lbs.	1½ bu.
			Beans, Red Kidney	60 lbs.	1½ bu.
			Beans, Fancy	60 lbs.	1½ bu.
			Peas, Smooth	60 lbs.	1½ to 3 bu.
			Peas, Wrinkled	56 lbs.	1¼ to 2 bu.

# INSECTICIDES and FUNGICIDES

## SPRAY CALENDAR AND GUIDE

Pest	What to Use	Dilution, lbs.	1st Spraying	2nd Spraying	Successive Spraying
Codling Moth	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ¾	Immediately after blossoms fall	2 weeks later	Consult your Exper. Sta.
Canker Worm	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ¾	When young first appear	4-6 days later	" "
Tent Caterpillar	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ¾	As insects appear	As needed	" "
Leaf Crumpler	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ¾	About middle of May	As needed	" "
Slug	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ¾	When insects appear	Repeat 10 da. 2 wks. if necessary	" "
Plum Gouger	Dry Arsenate Lead	*¾ to 1	Before leaves and buds open		
Strawberry Crown Borer	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ½	Late summer		" "
Strawberry Leaf Roller	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ½	In August		" "
Strawberry Slug Strawberry Root Worm	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ½	In May when insects appear		" "
Imported Currant Worm	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ½	As soon as insects appear		" "
Gooseberry Fruit Worm	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ½	As soon as insects appear		" "
Raspberry Slug	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ½	Early in spring		" "
Raspberry Byturus	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ½	1st of May		" "
Potato Beetle	Dry Arsenate Lead Dry Arsenate Calcium	*2 to 4 1½ to 2	When insects appear		Repeat as often as necessary

\*To 50 gallons of water.

The above recommendations are condensed and are somewhat subject to change depending upon conditions in various sections of the country.

Where an effective combination Insecticide and Fungicide is desired, "Bordo-Arsenate" used at same strength as indicated for Dry Powdered Arsenate of Lead will give splendid results. Dry Powdered Bordeaux Mixture can be used as a dry dust just as it comes from the package or in combination with equal quantities of Dry Powdered Arsenate of Lead or Arsenate of Calcium. When using Dry Powdered Bordeaux Mixture as a wet spray use from three to five pounds to fifty gallons of water for the control of most fungus diseases.

Dry Powdered Insecticides can be used for dry dusting just as they come from the package.

For the convenience of the home gardener, the above table will be of interest.

Dry Powdered Arsenate of Lead where used at strength of one pound to fifty gallons of water, should be used at rate of three to four teaspoonsful to one gallon of water.

Dry Powdered Arsenate of Calcium where used at rate of three-fourths pound to fifty gallons of water, should be used at rate of two to three teaspoonsful to one gallon of water.

Dry Powdered Bordeaux Mixture when used at rate of three pounds to fifty gallons of water, should be used at the rate of from nine to twelve teaspoonsful to one gallon of water.

Dry Powdered Bordo-Arsenate when used at rate of one pound to fifty gallons of water should be used at rate of three to four teaspoonsful to one gallon of water.

### Pure Paris Green—Ansbacher's



After having tried several of the other kinds of Paris Green we are convinced that Ansbacher's has no superior, consequently are handling this kind exclusively.

The price of Paris Green not being established at this time of going to press, we will be pleased to quote prices on application.

### Dry Powdered Arsenate of Lead

Dry Powdered Arsenate of Lead has been found to be one of the most efficient universal insecticides known to the industry today. Dry Powdered Arsenate of Lead is the result of the most modern

chemical processes and manufacture, and is probably the finest product of its kind manufactured today.

It is a very finely divided, fluffy powder, which can be used either for dry dusting or for wet spraying. Due to its light, fluffy consistency, it insures the grower and farmer maximum, uniform results in his spraying mixture. It covers the leaf and fruit thoroughly and uniformly, and insures maximum results. Its wonderful suspension qualities and the ease with which it is gotten into suspension make it particularly attractive to the commercial fruit grower and farmer, as well as to the average consumer.

Dry Powdered Arsenate of Lead is put up in sift-proof cartons and heavy drums in convenient sizes for the large commercial grower, as well as for the small home gardener and grower. It is put up in the following sizes: 1 lb., 5 lb. and 10 lb. double compartment cardboard cartons, and 25, 50, 100 and 200 lb. impervious veneer drums.



We have adopted the best packages we could possibly secure, and as a result our customers receive Dry Powdered Arsenate of Lead in the neatest, most compact and most serviceable package.

### Dry Powdered Arsenate of Calcium

The use of Dry Powdered Arsenate of Calcium as a stomach poison for controlling leaf-eating insects has become more general each year, and is especially adapted for use in spraying seed fruits and vegetables.

To the average grower, Arsenate of Calcium is not as well known as Arsenate of Lead and Paris Green. This is due no doubt to the fact that in the past it has not been pushed by either Government Experiment Stations or Insecticide manufacturers. Numerous tests conducted the past year have proven beyond a doubt the efficiency of Arsenate of Calcium and it is now highly recommended by authorities on Insecticides.

Write for our special literature on Powdered Arsenate of Calcium.

### Lime Sulphur Solution

Lime Sulphur Solution contains 33 per cent. combined lime and sulphur in solution at 32 to 33 degrees Beaume, the maximum that will stay in solution under the various climatic conditions to which it is liable to be exposed.

It is a clear, cherry color liquid, free from sediment and works through the nozzles easily.

Lime Sulphur Solution is used as an insecticide to control San Jose Scale, Oyster Shell Scale and all sucking or scale insects. For this purpose it is used at a dilution of 1 gallon to 9 to 11 gallons of water and applied during the dormant seasons, either after the leaves drop in the Fall or before the buds open in the Spring. The Spring applications just before the buds open will control Leaf Blister Mite.

Lime Sulphur Solution as a Summer spray replaces Bordeaux Mixture. The use of Lime Sulphur solution and Bordeaux Mixture in same application is unnecessary.

### Dry Powdered Bordeaux Mixture

Bordeaux Mixture in paste form has for many years been a standard fungicide for use in the control of mildew, blight and other fungus diseases. Best results from the use of Bordeaux Mixture depend upon the exact chemical make-up of the material. The home-made Bordeaux Mixture as compounded by the average farmer and grower has been a splendid product, but has been subject to the uncertainties which are necessarily attendant upon incomplete equipment, etc.

Dry Powdered Bordeaux Mixture can be used wherever paste Bordeaux Mixture has been used heretofore. It is splendidly adapted for both fruit tree and truck crop work, and can be used in combination with any insecticides, either as a dry or as a liquid spray.

### Dry Powdered Bordo-Arsenate

#### The Two-in-One Spray

This product combines the killing properties of Arsenate of Lead and the fungus preventative qualities of Bordeaux Mixture.

Dry Powdered Bordo-Arsenate being a scientific combination of Arsenate of Lead and Bordeaux Mixture will control both external leaf-eating insects and fungus diseases at the same time. It is prepared in dry powdered form which is a decided advantage over the old form of paste products.

Send for full descriptive folder.

### Dry Lime Sulphur

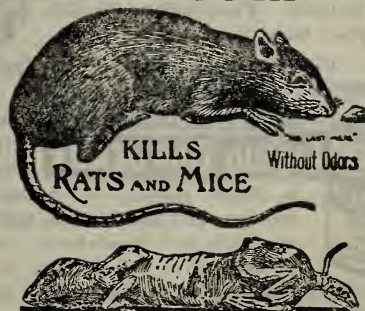
Dry Lime Sulphur is not an entirely new product—it is just an improved, standard spray material. It is made to supply the demand of the growers for a convenient, economical and efficient tree spray for the control of scale insects and certain fungus diseases. It is simply a more practical form of Liquid Lime Sulphur which, for years, has been known by growers as an effective spray material.

Dry Lime Sulphur is not a substitute for Liquid Lime Sulphur—it is the actual Lime Sulphur possessing all of the good qualities and none of the disadvantages of the old style Liquid Lime Sulphur.

Dry Lime Sulphur will control San Jose Scale and other scale insects. It is effective against Apple Scab, Peach Leaf Curl, Leaf Blister Mite, Brown Rot of peach or plum and other fungus diseases that you have controlled in the past with Liquid Lime Sulphur.

#### Prices on Application

### RAT CORN



After eating Rat Corn he is mummified

### RAT CORN

It mummifies them. No matter where they die they simply DRY UP. Positively do not smell.

Rat Corn is a new and scientific discovery, and without a doubt the greatest rat destroyer in the world; the only one that kills rats without any bad, dangerous or disagreeable effects. A trial will convince you. Prices: Small, .30. Medium, .50. Large, \$1.00. Postpaid.



## WILL KILL FLIES

Formerly Known as Rough-on-Flies.



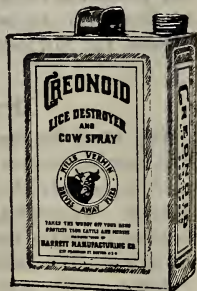
Kills flies, vermin and lice. Increases the yield of milk. Insures more eggs and better poultry. Kills lice on cattle and sheep ticks. Heals scab and hoof rot. It is an excellent disinfectant. Every gallon guaranteed. One gallon cans, price per gallon, \$1.75

## Crenoid

Barrett's Crenoid is an up-to-date preparation from coal tar of invaluable service to the poultrymen, stock raisers and farmers. It eliminates flies and mosquitoes and insures sanitary conditions in stables, stock sheds, around barnyards, etc.

Price, gallon cans,

\$1.25



If, after using Sterlingworth Liquid

## STERLINGWORTH LIQUID LICE & MITE KILLER

Lice and Mite Killer, you believe it is not better than any other preparation you ever used for killing lice and mites in poultry houses, state the facts to us and we will refund the purchase price.

Prices: 1 qt., .40; postpaid, .50; 2 qt., .75; postpaid, .90; 1 gal., \$1.25.

These candles are the most satisfactory Sulphur Fumigating Candles made. They burn three hours.

## STERLINGWORTH THREE HOUR SULPHUR CANDLES



Prices: .15 each; Postpaid, .20; One Dozen, \$1.35 Postpaid.



## STERLINGWORTH LIQUID BORDEAUX

A fungous remedy in the form of a thick paste. Is a preventative of rots, rusts and blights, mildews, etc., on fruits and vegetables. One gallon makes 10 to 50 gallons of mixture ready to use by adding water. Prices: 1 qt. .50; 1 gal., \$1.25.

## STERLINGWORTH NO-SCAB

For preventing potato scab, oat, wheat and grain smut. Mix one pound to fifteen gallons of water. Directions on Label.

Price: 8 oz. bottle, .50



## STERLINGWORTH DIARRHOEA REMEDY

This is a money back guaranteed remedy for white diarrhoea in young chicks and for all bowel trouble in grown fowls. It is the original White Diarrhoea Redemy. It is a powder to be used in the fowls' drink. Prices: 25 and 50 cents postpaid.



## STERLINGWORTH SHEEP DIP

A standard preparation for preparing an effective and economical dip for ridding sheep of ticks, lice and scab.

One gallon makes 56 by mixing with water. Prices: ½ gal. .85; postpaid, \$1 Cooper's. Enough to make 100 gal., \$2.50; postpaid, \$2.65

Dr. Hess. Quart can, .60; postpaid, .70; two-quart can, .90; postpaid, \$1.15.

We claim that Sterlingworth

## STERLINGWORTH LICE POWDER

Lice Powder is the one best lice powder. You can see the dead lice drop from the bird treated with this powder. If it is not better than any lice powder you have ever used we will cheerfully return your money.

Prices: 5 oz., .15; postpaid, .20; 15 oz., .30; postpaid, .40; 48 oz., .60; postpaid, .75.



This is prepared exclusively for aphids or plant lice and spiders on house plants and vegetables. It is useful against most of the small sucking insects which infest house plants and greenhouse flowers. It is used by diluting one part of killer in fifteen parts of water and may be applied by spraying or sprinkling.

Price: Home size, one pint, .30; postpaid, .40



## STERLINGWORTH CREOLUSOL

An ideal liquid Disinfectant, Germicide, Cleanser and Deodorizer. Has great powerful antiseptic and healing properties. It is a purifier and one of the best disinfectants for private or public sanitation.

Prices: 1 pt., .40; postpaid, .50; 1 qt., .65; postpaid, .75; 1 gal., \$1.75, by express.

For squirting into the holes made

## STERLINGWORTH BORER OIL

by the Flat or Round-head tree borers. An ordinary oil can is just the thing for applying. Directions on can.

Prices: 1 pt. can, .30; postpaid, .40.



All Prices Subject to Change Without Notice





## STERLINGWORTH CUT WORM KILLER

A coarse powder for sprinkling near plants to be protected. It has an enticing odor, and cut worms prefer it to vegetation. No guess work about its effectiveness, it gets them every time. The dead cut worms "tell" the story. One pound is sufficient for 100 plants in hills and 100 lineal feet in rows. Stop feeding your plants to cut worms. Price: 1 lb., .30; postpaid, .37. Prices on larger quantities on application.

## STERLINGWORTH KEROSENE EMULSION



It kills the green plant louse scale and most soft bodied and sucking insects.

Price: 1 pt., .30; postpaid, .40; 1 qt. .50; postpaid, .60



## STERLINGWORTH FISH OIL SOAP

Kills most sucking insects on trees, plants, vines and rose bushes. To use, cut in shavings and dissolve in water. Contains tobacco extractive matter.

Price: 1 lb., .30; postpaid, .35.

## Sterlingworth Dry Bordeaux and Paris Green Compound

This is a dry Bordeaux powder to which has been added a poison and so mixed as to be an insect killer as well as a fungous remedy. Price: 1 lb., .50.

## Crow Tar

Thoroughly reliable tar made especially for using on corn as prevention against crows. Give the corn a thin coating which quickly dries so that there is no trouble in putting through planter as in the case with tar preparation not made especially for that use. Price on Application.



## Bug Death

This non-poisonous Insecticide and Plant Food is now too well known to need any detailed description.

Prices on Application.

## Bug Death Aphis

This is a new preparation in powder form for all sucking insects. Prepared under Dr. G. M. Twitchell's formula.

Price on Application.

A combined insect killer and fungous

## STERLINGWORTH AR-BO



remedy. It does what Bordeaux, Paris Green and Arsenate of Lead will do, all with one spraying. It contains a sticker that makes it stick like glue. It is the best spray made for potatoes. It kills the bugs and prevents blights, rots, rusts, at one application. Excellent for apple, pear and small fruits and vegetables. Controls the apple maggot, codling moth, canker worm, bug moth, kills hundreds of eating worms and insects and prevents scores of fungous diseases that attack vegetables and fruits. Ar-Bo is the great potato spray. Its use on potatoes gives the crop in many instances as much as three weeks to mature. Do not think of trying to raise potatoes without it. Use it once and you will never use anything else. It is a paste about the consistency of thin putty and is made ready for use by mixing at the rate of one pound to five gallons of cold water. It does not clog the spray nozzle. Apply with any hand or power spray pump, Full directions on label.

Prices: 1 lb., .40; 5 lbs., \$1.60; 10 lbs., \$3.00; 25 lbs., \$7.00; 50 lbs., \$13.00; 100 lbs., \$22.00.



## STERLINGWORTH SCALE KILLER

It kills San Jose Scale and Oyster Shell Scale

when properly applied, and helps protect trees from reinfestation. It covers more surface, is more effective and cheaper. It is easier to use than sulphur sprays. Kills every scale it strikes. It is a miscible oil for mixing with water. One gallon makes 12-15 gallons by mixing with cold water. Price: 1 gal., \$1.25.

For use against leaf-eating insects such as

## STERLINGWORTH POWDERED HELLEBORE



rose slugs, currant worms, cabbage worms and many other leaf-eating insects where mild poison is required, as Powdered White Hellebore. Price: 1/4 lb., .25.

## Insect Powder and Bellows Combined



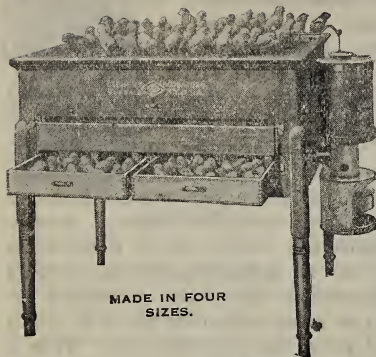
Red Wing is the best Insect Powder that can be procured and once you try it you will use no other. For the destruction of Roaches, Bed-Bugs, Fleas, Moths, Ants, Flies, etc. Prices, Small, 10c, Parcel Post, 5c. Large, 25c. Parcel Post, 6c.

All Prices Subject to Change Without Notice



# INCUBATORS, BROODERS AND HOVERS

## Cyphers Company Incubators



MADE IN FOUR SIZES.

### Standard Cyphers Incubators

These are machines that for seventeen years and more have been recognized as the "Standard hatchers of the world." They are used by more Government Experiment Stations, on more large, practical poultry plants, on more successful duck and egg farms, and by a larger number of foremost poultry breeders than all other makes combined. They are built to hatch and to last. With ordinary care they should last an ordinary life-time. Every Standard Cyphers Incubator is guaranteed by the manufacturers to do first-class work in the hands of every purchaser who will give it a fair trial. Are built in four popular sizes.

70 Egg Size, shipping weight	93 lbs.	\$25.00
144 Egg Size, shipping weight	145 lbs.	38.00
244 Egg Size, shipping weight	195 lbs.	54.00
390 Egg Size, shipping weight	254 lbs.	61.00

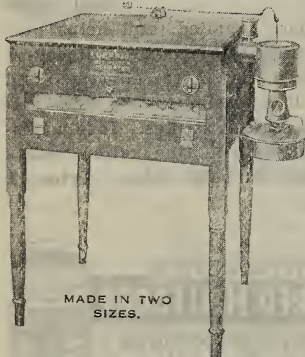
### Columbia Hot-Air Incubators

Are built to meet the wide-spread demand for large capacity, lamp-heated machines that can be sold at surprisingly low prices and yet be guaranteed to do high-class work. Have wooden cases, attractively finished in dark green, with brass trimmings and double walls. Seamless-bottom lamp bowls, best quality brass burners, zinc and steel standard Cyphers toggle-joint thermostat and same regulating equipment as used on highest priced machines. Fume proof, forced draft heater, asbestos covered and metal banded. Automatic in ventilation and embodies diffusive principle. Roomy chick nursery under trays. Are made in two sizes.

140 Egg size, shipping weight,	83 lbs.	\$22.50
250 Egg size, shipping weight,	114 lbs.	31.25



MADE IN TWO SIZES.



MADE IN TWO SIZES.

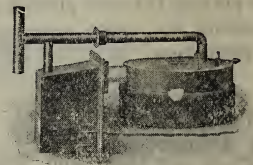
### Superior Hot-Water Incubator

In the Superior you get a hot-water incubator that is well built, well insulated and up to Cyphers standards in all details of design, material and workmanship. It is equipped with Cyphers Co.'s regular patented toggle-lever regulator; it has a high grade water heating system; it can be operated more easily than any other hot-water machine; and it will out-hatch and out-last any hot-water incubator on the market at anywhere near the price. It is well made and handsomely finished—nothing cheap about it in appearance. Built in two sizes and at prices as follows:

65 Egg size, weight	43 lbs.	\$16.25
130 Egg size, weight	68 lbs.	22.50

### Cyphers Adaptable Hover

The Cyphers Adaptable Hover is self-ventilating and self-regulating. It supplies a continuous flow of fresh, pure, warmed air under the hover, and at the same time maintains a steady, uniform heat. It is "adaptable" to use in Colony Coops, in portable houses, in home-made brooder coops, as well as in large brooding houses. It is constructed entirely of non-combustible material, and bears the fire underwriters', Inspected Brooder label. Capacity, seventy-five newly hatched chicks, or fifty chicks that are ten days to six weeks old. Weight, 38 lbs. Price, \$18.50



### Cyphers Portable Hover

The Cyphers Portable Hover is a self-regulating and self-ventilating Portable Brooding Hover, and it is equipped with the same high-grade thermostat as the Cyphers Adaptable Hover, it maintains a steady and uniform heat. It is positively and infallibly automatic in ventilation, preventing the trapping of "dead" air or poisonous gases underneath the curtain. A continuous supply of fresh, warmed air is automatically forced beneath the hover.

This Portable Hover, as its name indicates, can be picked up at any time, all complete, and moved about without hindering its operation. Very convenient for cleaning and moving. Rated capacity, seventy-five newly hatched chicks, or fifty chicks that are ten days to six weeks old. Weight, 38 lbs. Price, \$18.50



All Prices Subject to Change Without Notice



# Cyphers Company Brooders

## Standard Cyphers Brooders

The Standard Cyphers Brooders are not only fire-proofed and insurable, but are most durable, convenient and most efficient indoor and outdoor brooders thus far invented and placed on the market. They are equipped with the same type of high-grade thermostat as used on the Standard Cyphers Incubator—you can therefore depend upon an even, steady temperature in the hover, and a lively, thrifty growing lot of chickens.

These Cyphers Brooders, all sizes and styles, are self-regulating, self-ventilating and varment proof. They are useable also as colony coops for the growing chicks. They are easily and readily converted into colony roosting coops by simply taking out the hover, which is made removable for that purpose.



Style A. Two-Apartment Brooder

**THIS DOUBLE USE** of the Cyphers Brooder means a considerable saving of money. It makes a safe and comfortable enclosure for the young chicks at night, and saves the buying of a coop for them. These outdoor brooders, on account of their fire-proof construction, can be used indoors equally well. All Cyphers 1919 Brooders contain either two or three apartments. The popular Style B (shown in illustration herewith) contains three apartments; first, roomy space under the hover; second, hover chamber; third, well-lighted exercising apartments. It has often been said by users of Cyphers Brooders that "They Mother the Chicks Better than a Hen."



Style B. Three-Apartment Brooder

Style A and B. Prices:

Style A.	2-Apartment Outdoor Brooder, shipping weight 136 lbs .....	\$27.00
Style B.	3-Apartment Outdoor Brooder, shipping weight 200 lbs. ....	40.00
Style C.	3-Apartment Outdoor Brooder (for cold climates) shipping weight 210 lbs .....	42.00

## International Sanitary Hovers

Advantages possessed by the International Hover and not to be found in any other brooding device.

1. It is warmer at the curtain than near the center. This causes the chicks to distribute themselves just back of the edge of the curtain where they have a consistent supply of fresh air and plenty of room.
2. It is entirely circular and has no corners for the chicks to crowd into.
3. The lamp holder can be lifted out through the top of the hover by a person standing up. This makes it unnecessary for the operator to kneel in the dust and mud to tend his lamp.

It gives ample heat under the hover without so heating the surrounding floor space as to cause leg weakness among the chicks.

Send for Full Descriptive Catalog.

Price \$8.50



## NEWTOWN Colony Brooder

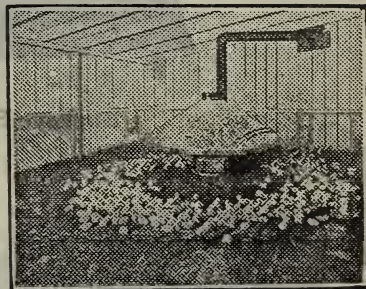
Coal-burning, Self-regulating

Instead of spending time and energy and tending ten or more small lamp brooders and caring for the same number of small flocks the poultry raiser now rears 500 or 1200 birds around one Newtown Colony Brooder that burns coal and automatically regulates its own temperature.

Instead of increasing the cost of insurance on his buildings or taking big chances of destruction by fire of his plant and chicks, as a result of burning oil, coal-burning Newtown Colony Brooders are now employed, which are just as safe as the kitchen range and home heater.

Come and see one set up at our store and prove for yourself that your one best investment is Newtown.

Write for Prices



## High Grade Tested Thermometers

Cyphers Incubator Thermometers	.60; postpaid .65
Buckeye Incubator Thermometers	.60; postpaid .65
Incubator Thermometer with legs	.65; postpaid .70
Brooder Thermometers .....	.60; postpaid .65

All Prices Subject to Change Without Notice



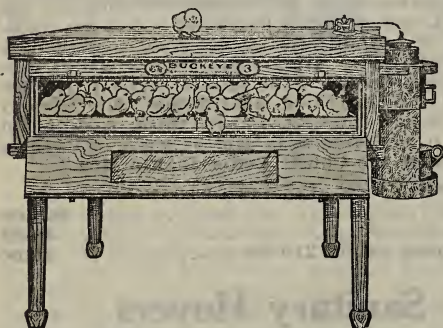
# BUCKEYE INCUBATORS

The "STANDARD" Hot Water Hatching Device

Guaranteed to Hatch Every Hatchable Egg

During the 28 years that Buckeye Incubators have been on the market they have earned the reputation of being "The most satisfactory hatching device that has ever been produced."

Each and every Buckeye is sold under an absolute guarantee to hatch every hatchable egg and we have no hesitation in recommending to our trade under that guarantee because we sold hundreds of them during the past five years that have given our customers the most remarkable hatching results.



## "STANDARD" Buckeye Incubators

The incubators bear the Underwriters Fireproof Label.

Equipped with every desirable device to be found on any incubator.

Guaranteed to remain in perfect working order for 5 years.

No. 1 Capacity 110 Eggs, Shipping Wt. 110 lbs. \$34.00

No. 2 Capacity 175 Eggs, Shipping Wt. 135 lbs. \$39.50

No. 3 Capacity 250 Eggs, Shipping Wt. 200 lbs. \$49.50

No. 4 Capacity 350 Eggs, Shipping Wt. 230 lbs. \$58.50

## BUCKEYE INCUBATORS

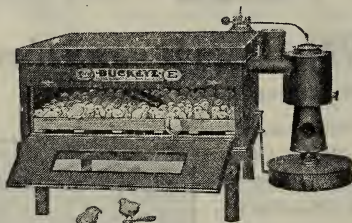
### STYLES E and H

No. 14 Capacity 60 Eggs, Style E Low Down, Shipping Weight 55 lbs. .... \$15.00

No. 15 Capacity 60 Eggs, Style H, Shipping Weight, 75 lbs., \$19.50

No. 16 Capacity 110 Eggs, Style E, Shipping Weight 85 lbs. \$23.50

No. 17 Capacity 200 Eggs, Style E, Shipping Weight 125 lbs. \$32.50



Buckeye Style E



Buckeye Style H



Klose  
Kontakt

### Portable Hover or Artificial Mother

Kant  
Krowd

Constructed after nature's own plan. The only Hover ever invented that completely safeguards the little chicks regardless of the foolish inclinations of the chicks themselves.

No. 150 Kant Krowd Hover, 125 to 150 Chicks, Shipping Weight 100 lbs. .... \$6.00

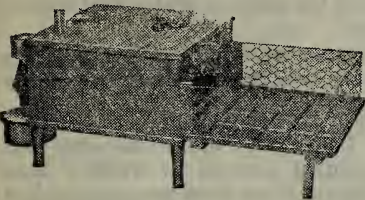
No. 75 Kant Krowd Hover, 60 to 75 Chicks, Shipping Weight 60 lbs. .... \$5.00

All Prices Subject to Change Without Notice



# Buckeye Brooders

It is a matter of record that poorly constructed brooders are responsible for the death of more chicks than all other causes combined, so we consider it most advisable to call attention to the importance of using a type of brooder which we know will properly care for the chicks after they are hatched.



## Indoor Brooders

Top heat—circulating hot water. Self-regulating.

No. 1 Capacity 60 Chicks, shipping weight 50 lbs.....\$4.00



## Outdoor Brooders

Top heat—circulating hot water. Self-regulating—storm-proof.

No. 2 Capacity 50 chicks, shipping weight 90 lbs.....\$6.00

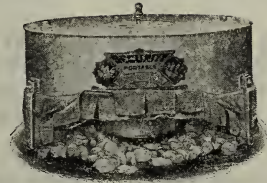
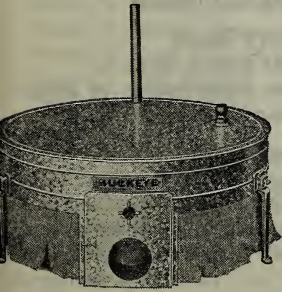
## Buckeye Portable Brooder

The oil burning brooder with all the desirable features of the modern coal burner. It is the only oil burning brooder that provides every ideal condition which you know to be necessary to the health and growth of the chicks, and its construction is so simple that the operator cannot go wrong.

There is nothing to ad-

just, nothing to get out of order, nothing to look after but the lamp, and that requires filling but once in 24 hours.

No. 20 Diameter 19 in. capacity 60 chicks, shipping weight 19 lbs.....Price \$7.50



## Security Portable Brooder

Centrally heated by an oil lamp. Chicks hover at the curtain, making crowding impossible.

Diameter, 30 in., capacity 150 chicks, shipping weight 60 lbs. ....Price \$15.00

# Standard Colony Brooder

A Brooder that enables any poultryman to care for 1,000 chicks with about the same amount of time and labor that formerly took to care for 100.

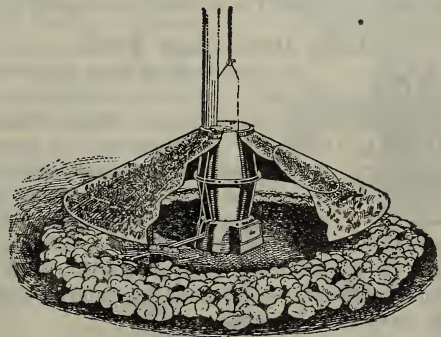
A Brooder that provides a constant correct temperature, a constant supply of pure, fresh air, plenty of exercise, and no possible chance for crowding—every essential for the welfare of the growing chicks—with such automatic regularity that all possibility of unfavorable conditions so commonly found in other brooders are entirely eliminated.

Send for complete Buckeye Catalog.

## TWO SIZES

No. 18 Dome 42 in., weight 75 lbs., capacity any number of newly hatched chicks up to 500. Price \$19.75

No. 19 Dome 52 in., weight 94 lbs., capacity any number of newly hatched chicks up to 1,000. Price \$24.75



All Prices Subject to Change Without Notice

# "PURITY BRAND" POULTRY FEEDS

**Always Ready**

**No Waste**

**No Dirt**

Our trade-mark brand of Poultry and Chick Feeds represent strictly high-grade mixtures—manufactured from Sweet, Sound Cracked Grains and Seeds—scientifically proportioned and in sizes best adapted for feeding, carefully sifted and recleaned. No pains are spared to produce Feeds of the greatest value—best quality and uniform grade—the standard of which is maintained at all times.

It is a recognized fact that sound and sweet grain contains a larger percentage of nutriment, strengthening and fattening properties, naturally producing better and quicker results than unsound, damaged and musty material.

## Globe Chick Mash with Dried Buttermilk

**A first feed for baby chicks**

The baby chick is extremely delicate and the utmost care should be exercised in selecting feed which will be easily digested and at the same time supply the proper nourishment.

**Globe Chick Mash with Dried Buttermilk**

is prepared, especially for the proper starting and rapid building up or growth of young chicks. After they begin to eat, it should be fed in small hoppers and kept before them all the time—they can't eat too much of it.

This should be supplemented with Globe Chick Feed. When this is done the chicken will "get off to a flying start" and will grow quicker, mature earlier, and, all in all, will be healthier, better chickens.

## Globe Chick Feed

A complete Grain Feed for Chicks from the time they are hatched until 8 or 10 weeks old.

## Clean Sound Sweet

A standard mixture of recleaned Cracked Grains and Seeds, Hulled Oats, fine Granulated Bone and fine Charcoal. Specially selected for size, and composed of ingredients necessary in promoting healthy and rapid growth.

This is the critical period of chick life, and Globe Brand is prepared especially to meet the emergency. It produces healthy and rapid growth, and is intended for feeding until the chickens are large enough to be fed the coarser Developing Feed.

## Globe Developing Feed

An Intermediate Feed for Growing Chicks.

A Coarse Grain Chick Feed to meet the requirements of growing chicks from the time they have outgrown the Globe Chick Feed until large enough for Globe Scratch Feed.

Screened and graded to adaptable size. Mixed and recleaned by the most approved methods. This feed like all other "Dickinson's Brands," is composed of the choicest materials obtainable.

## Globe Scratch Feed

A Balanced Grain Ration Poultry Feed for Grown Fowls. Suitable at All Seasons.

## Clean Sweet Sound



Under this brand we offer our standard mixture of Poultry Feed manufactured from Selected Cracked and Whole Grains and Seeds, scientifically mixed to furnish a complete balanced ration, with an assortment of material best adapted for rapid growth and egg production. The protein, fat and carbohydrates are so maintained as to form the greatest feeding value and produce the best results.

## Queen Poultry Mash

**Contains Alfalfa Meal During Winter.**

Proportions changed to meet requirements of different seasons.

## Clean Sweet Sound



A selected mixture of ground feeds manufactured from the choicest, sound, sweet and wholesome grains. It is carefully prepared and contains ingredients in proper proportions essential to the health and growth of the fowl.

Splendid bone builder and especially helpful during the molt. Also contains Beef Scraps and Charcoal, recognized necessities for health and egg production.

## Globe Egg Mash



Invaluable as a Supplementary Feed for Winter Laying. 15% Meat Scraps and Oil Meal—16-18% Protein. Can be fed dry or moistened as preferred. The regular grain ration should be supplemented once a day by some mixture of ground feed containing high protein. An Ideal Feed for Growing Fowls and Laying Hens.

## Purity Alfalfa Meal Medium Cut

As an accompaniment to the mash fed by some and the dry feed by others, a vegetable food is indispensable, in fact, no mash is complete without it. Among green feeds, Alfalfa stands at the top, and when used with the mash, Medium Cut Alfalfa is mixed dry with other foods, and scalded or boiled with them, as the poultryman desires. When fed in connection with dry grains it should be scalded in a trough or other vessel and left for the fowls to eat at will.

All Feeds listed above come in 100 pound bags.

Samples and prices on request.



## Sterlingworth Charcoal



Is especially prepared for poultry, carefully screened and is different than other charcoals. Goods are put up in 50-lb. bur-lap bags in four sizes as follows:

Fine Powdered for Mash Food for Ducks, also Cattle and Hogs.

Fine granulated for Brooder Chicks and Dry Chick Food Mixtures.

Medium granulated for Half Grown Fowls, Pigeons, etc.

Coarse Granulated for Full Grown Fowls, Geese, Turkeys, etc. Price: 50-lb. bags \$2.15 each.

## Conkey's Poultry Remedies

Conkey's Cholera Remedy .....	25 and 50c
Conkey's Roup Remedy .....	25 and 50c
Conkey's White Diarrhoea Remedy.....	25 and 50c
Conkey's Poultry Tonic .....	25c
Conkey's Head Lice Ointment .....	10 and 25c
Conkey's Lice Powder .....	10 and 25c
Conkey's Lice Liquid .....	35c
Conkey's Laying Tonic .....	25 and 50c
Conkey's Nox-i-cide Disinfectant .....	35c

## Stearns Clover Cutter

A Person in Five Minutes Can Cut Enough With This Machine to Last One Hundred Fowls a Day

This cutter is made in convenient size for use on bench or table. The entire frame is made of malleable iron making a very light and strong machine. It is self-feeding and self-sharpening. Cuts clover very rapidly; is also suitable for cutting cabbage leaves, alfalfa, etc., and is run with very little effort. Eight cuts to each revolution, cutting into one-half inch lengths, and making a total cut of four inches to each revolution of the cylinder.

Price: \$3.00; postpaid, \$3.10.

## Oyster Shells

Crushed and ground to the size which expert poultry men agree to be the best. Price: 100 lb. bag, \$1.25 High Grade Beef Scraps and Cracked Bone.

## Dr. Hess' Poultry Pan-a-cea

Contains tonics that aid the digestion; it also contains iron for the blood and nitrates to expel poisonous material through the skin; it is the only reasonable way to produce eggs without stimulants that are injurious. 1 1/2 lb. pkg., .30; postpaid, .39; 5 lb. pkg., .75; postpaid .88; 12 lb. pkg., \$1.50; postpaid, \$1.70; 25 lb. pail, \$3.00.

## Mico Spar Cubical Grit



Does not become smooth, but retains its cubical form until entirely worn out.

No. 1 for Turkeys, No. 2 for Fowls.

No. 3 for growing Chicks and Pigeons.

No. 4. Extra Fine for Chicken Food. Price: 100 lb. bag, \$1.15.

## Dr. Hess' Instant Louse Killer

Destroys lice on poultry, stock of all kinds and ticks on sheep. It is a powder put up in round cans with perforated top. Price, 1 lb. pkg., .30, postpaid, .39; 2 1/2 lb. pkg., .60, postpaid, .70.

## Grenier Caponizing Set

Designed to simplify the operation of caponizing, so that the beginner can easily master it. This set consists of a lancet shaped knife, spring spreader, forceps, hook, ring, ring probe and canula. Price in velvet lined case, \$3.50.

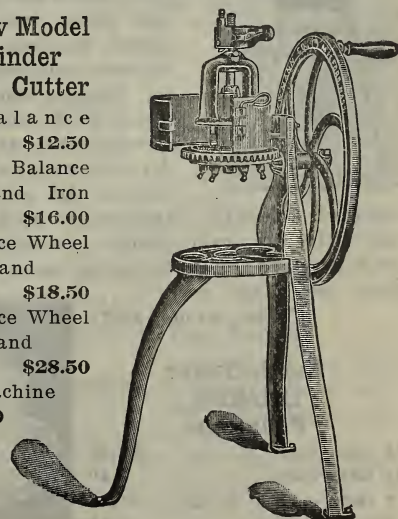
## Poultry Killing Knives

These knives are made of the best steel and of special design. Price: .50 each; postpaid, .55.

## POULTRY SUPPLIES

### Mann's New Model Open Cylinder Green Bone Cutter

5B, with Balance Wheel	\$12.50
5BM, with Balance Wheel and Iron Stand	\$16.00
7, with Balance Wheel and Iron Stand	\$18.50
9, with Balance Wheel and Iron Stand	\$28.50
12, Power Machine	\$50.00



All Prices Subject to Change Without Notice

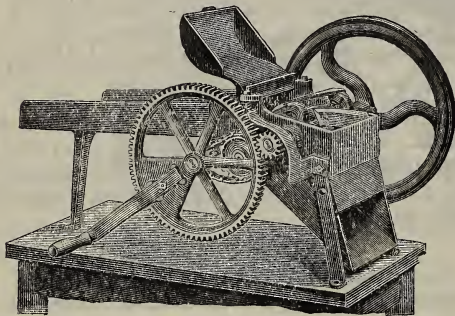


## "NEW MODEL" CLOVER CUTTER

For Poultry.

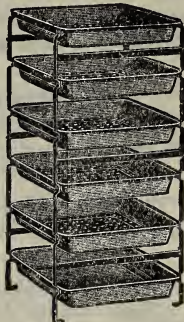
Just the cutter for the poultry raiser. Cuts all kinds of feed, either green or dry. Has removable steel knives, adjustable cutter bar. It runs easy, cuts fine and is durable. With four 7-inch knives.

Our Price, \$21.00



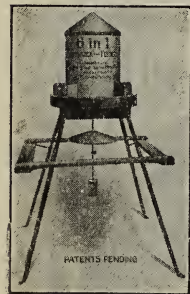
## The Economy Oats Sprouter

The best device for producing clean sprouted oats. Has five perforated pans each 16x17 in. and one drip pan at bottom. No lamp, no danger, very durable, compact. Green food all winter if you use the Economy Oats Sprouter which means bigger egg yields, consequently more profit. Price, \$7.00



## THE 6 IN 1 EXERCISER AND FEEDER

IS JUST what its name implies. It is a large, rust-proof, galvanized steel hopper, supported on four strong iron legs and designed to hold all the food necessary for poultry. The center hopper holds the mixed grain food, and is so constructed that an agitator underneath containing whole corn as bait, can be worked by

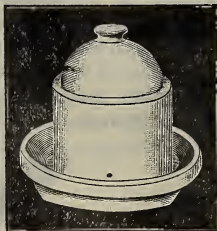


the fowls to scatter broadcast a small amount each time of the dry grain mixture. Surrounding this centre hopper are six compartments made to contain dry mash, beef scraps, grit, etc.

Price, 20 qts., \$3.75

## Earthenware Drinking Fountains

¼ Gal., each	.....\$0.35
½ Gal., each	..... .40
1 Gal., each	..... .45
2 Gal., each	..... .50



**Peerless Brooder Fount**  
Just the fount for your brooder. Can be set on the floor or hung on the wall within reach of the chickens. Can be cleaned same as large founts.

Price: 1 qt., .45; postpaid, .50.

## Peerless Drinking Fount

Very easy to clean by simply removing the bottom. Can either be hung on the wall or by the bail.

Price: 5-qt., \$1.00, postpaid, \$1.20; 10-qt., \$1.30, postpaid, \$1.55.



## Ideal Egg Boxes

Just the thing for the family egg trade. Shipped knocked down, easily set up.

Prices, 1 dozen size: .15 per dozen, postpaid, .20; 125 for \$1.10, postpaid \$1.30.



Eyrie Shipping

Boxes for fancy settings of eggs.

Parcel Post Egg Boxes. One, Two and Five Dozen sizes. Prices on application.

## The Natick Dry Mash Feeder

The most economical and sanitary feeder for Dry Mash that has yet been offered. Positively no waste and no clogging of the food in the feeder. Canvas tube.

Made in one size only.

Price: \$1.25; postpaid, \$1.35.



## The Norwich Automatic Feeder and Exerciser

Will actually pay for itself in 30 months' time in saving of grains. One of the secrets of successful poultry is giving them exercise. This will do it.

Prices

8 qt. ....	\$5.00
14 qt. ....	5.50
20 qt. ....	6.50
32 qt. ....	7.50

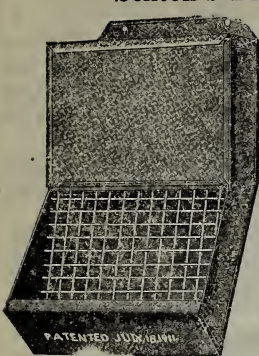
Positively guaranteed or money refunded.



All Prices Subject to Change Without Notice



## Sexton's Dry Feed Hopper



Open



Closed

Easy to fill. No waste. Rat proof. Rust proof.

Pronounced to be the best Hopper offered. Simple in construction, easily operated and absolutely "rat" and "mouse" proof.

The lower cover is so arranged that it is held up by locking the top cover of Hopper over same, and by raising the top cover the lower cover will fall in place.

It is unnecessary for us to treat on the advantages of Dry Feed as it is now being used extensively by all raisers of Poultry.

This Hopper is arranged to hang on the wall the desired distance from the floor and never need be removed from the wall to be refilled. It is impossible to waste any feed as the pan at the bottom takes any feed that may be picked out and the last crumb can be used, therefore saving any waste. The body being covered, keeps feed dust-proof and clean and is always dry.

12 qt. .... Price \$1.75; postpaid, \$1.90  
24 qt. .... Price \$2.75; postpaid, \$3.00

## Separable Drinking Fountains

Low-Priced—Easy to Clean—Will Last Many Years.

Drinking Fountains are made of heavy galvanized iron. The small

size (1 quart) is designed for chicks and is especially handy for use in brooders. The medium size (2 quarts) is for larger chicks. The large (3 1/2 quart) size is for adult fowls.

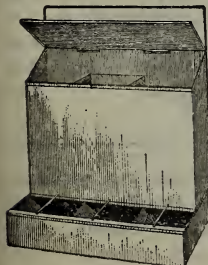
Prices. Each, Small, .40; postpaid, .45; medium, .50; postpaid, .57; large \$1.00; postpaid, \$1.10.



## Poultry Feeder

Our popular 1-2-3 Poultry Feeder can be used as a one, two or three apartment feeder, by simply changing the dividing walls. Perfectly sanitary and clean.

Price: Small, \$1.00; postpaid, \$1.10; Large, \$1.50; postpaid, \$1.60.



All Prices Subject to Change Without Notice

## Porcelain Nest Eggs

These Eggs are made of first-class Flint Glass. They do not break easily and will last indefinitely. Price, each, .03; per dozen, .35 postpaid.

## Star Jar Fountain and Feeder

Patented

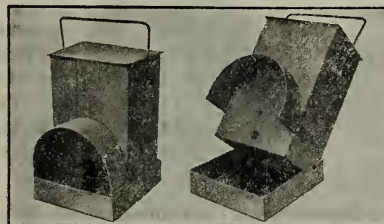
The most simple, practicable and durable Mason Jar Fount on the market

Will fit pint quart or one-half gallon Mason jar. Manufactured of one piece of non-rusting metal. No parts to come unsoldered. Leaking impossible. Convenient, cheap and sanitary. Provides greater drinking surface than the round fountain. Little chicks cannot get drowned. Can be used for feed as well as water. Manufactured in one size only. Price: .15; postpaid, .20.

## Cyphers X-Ray Egg Tester

The Cyphers X-Ray Egg Tester is made of the best block tin and consists of a central cylinder or lamp flue, 5 1/4 inches high with an outside diameter of 2 3/8 inches at the base and 2 3/8 inches at the top. It is designed for use in an ordinary hand lamp, fits over any style of burner with a diameter approximately that of the tester. In a dark room the light will be found strong enough to penetrate the shell and illuminate the interior of the egg. Price: .30 each; postpaid, .35.

## Drop Bottom Founts



28-Gauge galvanized steel. Easiest thing in the world to open and clean. A class by which the bottom is fastened fits over the small hole

under the hood, preventing slopping of water when the fount is handled. Solid brass hinge rod—no rust.

Price: 2 quart, .90; postpaid, \$1.00; 1 gallon, \$1.15; postpaid, \$1.25.

## Wall Founts

All these wall founts have hoods over the troughs, which prevent dirt from settling in the water. Can be hung up on the wall, and for this reason are preferred by many to the 2-piece fount, which must be placed on the floor.

Price: 1 gal., .75; postpaid, .85; 2 gal., \$1.00; postpaid, \$1.10.



## Leader Adjustable Leg Bands



Latest and best adjustable leg band out.

Has neat, compact and

smooth fastening with no catching points.

Price, postpaid: 12, .15; 25, .30; 50, .55; 100, \$1.00.

## Key Ring Leg Bands

Made of celluloid in ten colors. Poultry size.

Price: postpaid, 12, .15; 25, .30; 50, .55; 100, \$1.00.



Diagram illustrating the dimensions and components of American Field and Hog Fence:

- Top section: 6 BARS, 35 INCH
- Bottom section: 5 BARS, 26 INCH
- Vertical dimension: DISTANCE BETWEEN BARS INCHES
- Horizontal dimension: 9, 8, 7, 6, 5, 10

American Field and Hog Fence

Made of large, strong, high-grade steel wires, heavily galvanized. Amply provides for expansion and contraction. Is practically everlasting. Never goes wrong, no matter how great a strain is put on it. Does not mutilate but does, efficiently, turn cattle, horses, hogs and pigs.

Design	No. Bars	Height Inches	Dis. bet. St. in.	List Price per rod
635	6	35	12	\$ .73
845	8	45	12	.95
832	8	32	6	1.19

## List Prices on American Poultry and Rabbit Fence

			DISTANCE BETWEEN BARS-INCHES	
21	BARS	58	INCH	
20	BARS	53	INCH	5
19	BARS	48	INCH	5
18	BARS	43	INCH	4½
16	BARS	35	INCH	4
				4
				3½
				3½
				3
				2½
				2½
				2
				2
				2
				1½
				1½
				1

Design No.	No. Bars	Height Inches	Distance between Stays Inches	Approximate wt. lbs. per rod	Price per rod
2158	21	58	6	12.9	\$1.49
1948	19	48	6	11.5	1.33

Our New American Poultry and Rabbit Fence with its close mesh fills a want long felt by dealers handling American Fence.

## Poultry Netting

We carry the well-known New Jersey Netting and guarantee it to be the very best. It is galvanized after weaving, has three salvage wires, where other makes have but two. It is coated with pure spelter, or zinc (tin rusts), and is full measure in length and width.

All sizes in both Poultry and Chicken mesh. Write for prices.

We also carry a full line of Plain Wire, Barbed Wire, Fence Staples, Poultry Staples, Nails, etc.

Drives staples,  
pulls staples,  
cuts wire,  
splices wire,  
straightens  
wire. **Price \$2;**  
**postpaid, \$2.10.**

No. 0 will churn 1 gal-	
lon .....	\$1.00
No. 1 will churn 2 1/4	
gallons .....	4.40
No. 2 will churn 4 gal-	
lons .....	5.35
No. 3 will churn 7 1/2	
gallons .....	6.25
No. 4 will churn 10 1/2	
gallons .....	7.15

We make a specialty of Grass Seeds, and while we carry several grades from Purity Brand down, we always recommend the best, our Purity Brand.

**All Prices Subject to Change Without Notice**



## Lightning Sanitary Churn and Mixer

**What It Does.** It will actually make two pounds of butter from one pound of fresh, sweet milk. The butter is delicious and sweet. Follow directions and you will get results.

**An Economical Luxury.** If creamery butter is 34 cents a pound and milk 4 cents a pint, your milk-charged table-butter made with this churn will cost 19 cents a pound. (The proportion is one pound of butter to one pound or pint of milk).

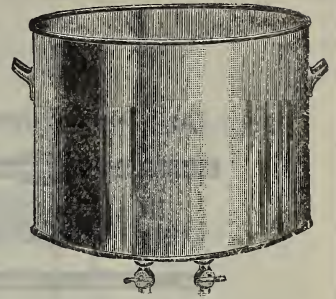
**Other Uses.** The Lightning Sanitary Churn may also be used to make regular butter direct from cream; as a cream and egg beater; as a salad dressing or batter mixer; and as a butter renovator.

**Prices:** 1 qt. \$1.50, postpaid, \$1.65; 2 qt. \$2.00, postpaid \$2.15; 3 qt. \$2.50, postpaid \$2.70; 4 qt. \$3.00, postpaid \$3.25.



## The Sensible Bottle Filler

This is a small tank, heavily tinned and holding about sixty quarts. It has two straight bore faucets in the bottom near the edge. They are inexpensive and very handy for the small milk dealers who do not feel like paying a large sum for one of the larger machines. Price, each \$8.00.



## Milk Bottle Caps

All Sizes and Styles, lb. . . . .20; Postpaid, .26  
Prices on larger Quantities on Application:

## Champion Milk Cooler Aerator

A perfect Aerator, removing all flavors arising from excessive cabbage, turnip or silo rations.

It is equally well adapted to the use of any cooling medium, either running water, ice water, or, if a very low temperature is not required, ordinary well or spring water.



Is automatic, requiring no attention while in operation.

No. 2 Holds 18 Quarts. Takes care of 3 Milkers. Shipping weight 30 lbs. Price . . . . . \$12.50

No. 3 Holds 34 Quarts. Takes care of 5 Milkers. Shipping weight 35 lbs. Price . . . . . \$15.00

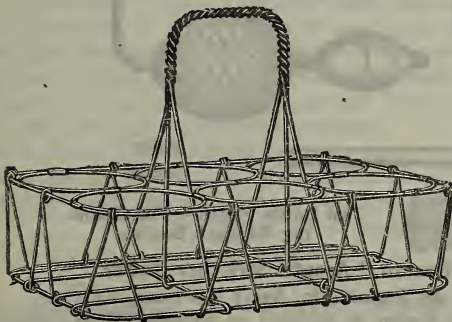
## STODDARD BARREL CHURN



Stoddard

No.	Capacity	Will Churn	Our Price
1	10 gals.	2 to 4 gals.	\$16.75
2	15 gals.	2 to 7 gals.	17.75
3	20 gals.	3 to 9 gals.	20.00
4	25 gals.	4 to 12 gals.	22.50
5	35 gals.	5 to 16 gals.	26.25
5 1/2	45 gals.	5 to 20 gals.	31.75
6	60 gals.	6 to 28 gals.	37.50

**Cork Packing for Barrel Churn Covers Per Set .70 Postpaid**



## Milk Jar Carriers

No.	Capacity	Price	Postpaid
781	4 quarts	\$1.00	\$1.10
783	6 quarts	1.25	1.35
785	4 quarts and 2 pints	1.25	1.35
925	6 quarts Flat Wire	1.90	2.00
927	8 quarts Flat Wire	2.50	2.65

All Prices Subject to Change Without Notice

## DOMINION CLEANSER

Is especially adapted for use in Creameries, Cheese Factories, Ice Cream Plants, Hotels, Restaurants and Private Houses.

**It Is a Soda and Makes No Suds**

Contains no Grease, Potash or Lye.

Will destroy nothing, but cleans and cleanses everything washed with it and is perfectly sanitary. For household use it has no equal. Sold in 5 lb. sacks at 25c. Postpaid, .35.



# DAIRY SUPPLIES

(Continued)

## The "Boston" Aseptic Milking Tube



2¼ in., self-retaining. Exact size... PRICE \$0.25



2¼ in., plain. Exact size..... .25

The Boston Aseptic Milking Tube is recommended because it is so well finished and so easily sterilized. It is manufactured regularly in 1¾, 2¼, 2¾, 3¼ inch lengths; plain or self-retaining, as desired.

## The "Boston" Aseptic Teat Dilator (Dr. Murphy's Modification)



### No More Hard Milkers

"Spider" in the teat is easily cured, and sphincter paralysis entirely disappears after a few days' use. Recommended by veterinarians and dairymen.

Price, 25c. each



Milk Test Bottle



Conn. Style Cream Test



Acid Measure

Milk test bottles, 10 per cent. each..	\$0.30
Cream test bottles, 0 to 50 per cent each.....	.30
Ohlison's skim milk bottles, each....	.70
Milk and cream pipettes, each.....	.25
Acid measure, each.....	.25
Test bottle brush.....	.10

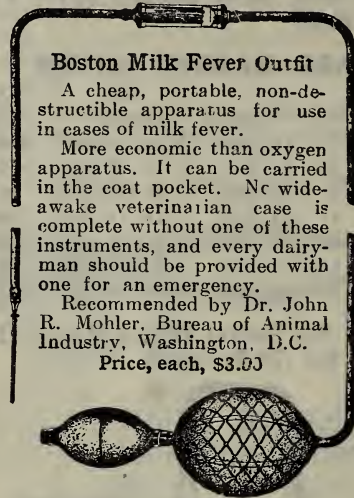
### Boston Milk Fever Outfit

A cheap, portable, non-destructible apparatus for use in cases of milk fever.

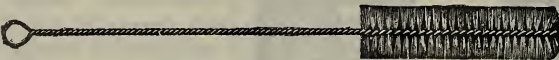
More economic than oxygen apparatus. It can be carried in the coat pocket. No wide-awake veterinarian case is complete without one of these instruments, and every dairyman should be provided with one for an emergency.

Recommended by Dr. John R. Mohler, Bureau of Animal Industry, Washington, D.C.

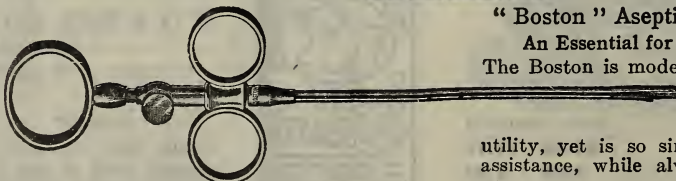
Price, each, \$3.00



Plain Pipette



Test Bottle Brush — For Cleaning Babcock Bottles



### "Boston" Aseptic Stricture Cutter

An Essential for Every Dairyman

The Boston is modeled on improved lines, and embodies the highest class of workmanship and utility, yet is so simple that professional assistance, while always desirable, is not necessary.

Price, each, \$1.75

All Prices Subject to Change Without Notice



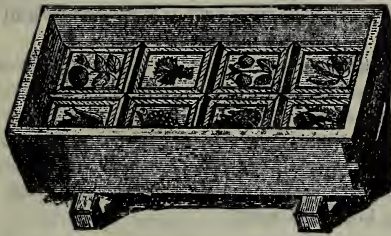
## Blanchard Butter Carrier



		Our Price
No. 6 ½	4 trays, 12 lbs. capacity.....	\$2.60
No. 7	4 trays, 16 lbs. capacity.....	3.00
No. 8	4 trays, 24 lbs. capacity.....	3.35
No. 9	4 trays, 32 lbs. capacity.....	3.75
No. 10	5 trays, 40 lbs. capacity.....	4.15
No. 11	6 trays, 48 lbs. capacity.....	5.00

With or without galvanized ice boxes.

Will be shipped without ice boxes, unless they are ordered. Ice boxes separate, \$1.00 each.

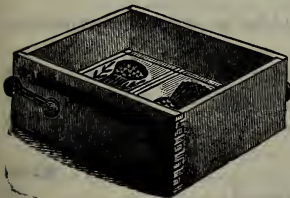


## The Kinerson Combination Butter Prints

The Kinerson Prints are too well known to require elaborate advertising or testimonials. There are various devices on the market for printing butter, but the Kinerson Print has no real competitors. Its first cost is a trifle in advance of the cost of inferior goods, but no more so than is necessary to insure each customer of honorable business dealing, first-class workmanship, skilled engraving executed to order, and a thoroughly practical, simple and convenient Print which is the fruit of years of careful study, experiment and improvement—a Print that will save many times its original cost, in valuable time, and will outwear any other Print on the market. The above statements are made in thorough good faith and the Prints themselves will demonstrate their truthfulness.

These Prints will be carved with any Initial, Monogram or design wanted. Price including Cutters and Paddles, postage paid anywhere in New England.

lb., \$6.00; 2 lbs., \$7.50 Postpaid



## Genuine Blanchard Butter Molds

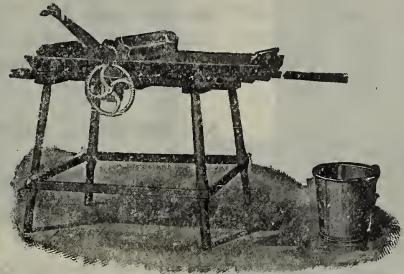
### Machine Carved

½ pound ..75 postpaid  
1 pound ..85 postpaid

## Stone Dash Churn

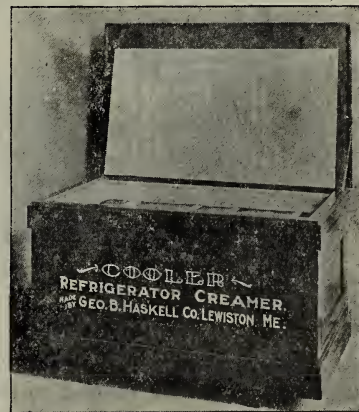
2 gallons, price with dasher.....	\$1.00
3 gallons, price with dasher.....	1.25
4 gallons, price with dasher.....	1.50
5 gallons, price with dasher.....	1.80
6 gallons, price with dasher.....	2.15

## WATERS' BUTTER WORKER



Without doubt the most practical and best known Butter Worker on the market. Guaranteed to handle butter in any condition satisfactorily.

No.	Tray	Capacity	Our Price
0	27 in. x 14 in.	1 to 15 lbs.	\$10.00
1	36 in. x 15 in.	5 to 30 lbs.	11.50
2	36 in. x 18 in.	5 to 40 lbs.	13.00
3	39 in. x 20 in.	5 to 50 lbs.	14.50
4	48 in. x 22 in.	10 to 75 lbs.	17.50



## Cooley Creamers

The Best Gravity Method in the World

### Price of Tank Less Cans

No. 2	For four cans .....	\$34.00
No. 3	For six cans .....	39.00
No. 4	For eight cans .....	44.00
No. 5	For ten cans.....	49.00
No. 6	For twelve cans .....	54.00
No. 7	For fourteen cans .....	59.00
No. 8	For sixteen cans .....	64.00

Strainer frame and thermometer extra.

All Prices Subject to Change Without Notice



## Milk and Cream Scales



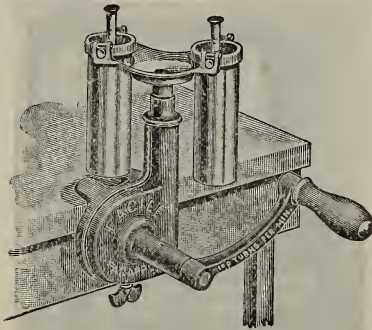
These scales are made with a loose pointer which, by means of a thumbscrew on the center of the pointer, may be set anywhere on the dial, thus taking the tare of the milk pail, etc. They are made with pounds divided in ounces or decimally.

### Price

No. 260 M. O.	30 lbs. by 1 oz. ....	\$4.15
No. 270 M. O.	60 lbs. by 2 oz. ....	5.00
No. 260 M. D.	30 lbs. by 1-20 lb. ....	4.15
No. 270 M. D.	60 lbs. by 1-10 lb. ....	5.00

If sent by Parcel Post, add 15c each.

## The "Facile, Jr.," Babcock Milk and Cream Tester—Cut Steel Gears



An exceedingly simple, light, compact and carefully designed apparatus, especially adapted to the use of the dairy, and also on account of its light weight, to the traveling dairy inspector.

Complete with full set of glassware consisting of test bottles, pipette and acid measure; also test bottle brush and bottle of acid with full directions for use.

### Price

2-bottle machine complete for testing cream and milk, including two cream test bottles and combined pipette .....	\$7.35
4-bottle machine complete for testing cream and milk, including two cream test bottles and combined pipette .....	8.50

All Prices Subject to Change Without Notice

## The "Facile" Improved Iron Frame Hand Babcock Milk and Cream Tester



Handsome cast-iron case and cover, cut spur and worm gearing, malleable iron bottle carrier, seamless brass detachable swinging pockets for holding test bottles.

Enclosed gearing, bottles perfectly horizontal when rotating. Turns easily and runs smoothly and noiselessly at a very high speed.

6-bottle machine .....	\$17.50
8-bottle machine .....	18.75
10-bottle machine .....	19.25
12-bottle machine .....	20.25

Prices include full set of glassware, comprising test bottles, pipette and acid measure; also test bottle brush and bottle of acid.

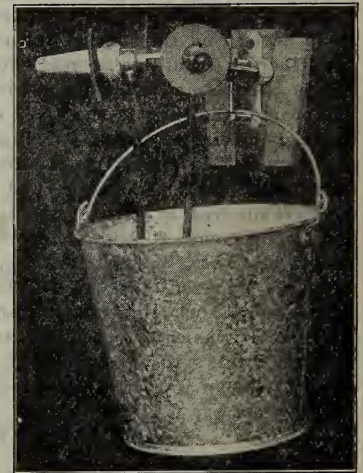
## Common Sense Calf Feeder

**What It Is.** The Common Sense Calf Feeder is a simple, practical device for weaning and feeding calves, so simple and so practical that every calf owner will see the value of it at a glance.

**What It Does.** It enables you to feed the calf out of a bucket in nature's old way. If you could afford to let your calf run with the cow until nature compelled it to seek food elsewhere, there would be no scouring, unhealthy calves.

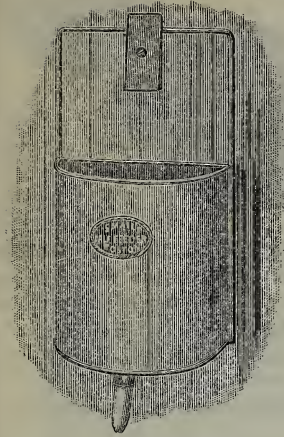
Follow nature; this feeder not only saves trouble and milk; but it prevents the calf from taking its food in the great gulps that play havoc with the digestive organs.

Price (Postage prepaid) .....	\$2.60
Extra Nipples (Postage prepaid) .....	.27





## Small's Calf Feeder



This feeder is in every particular made for service. It holds seven quarts and weighs about four pounds. Its chief merits are not only in its convenience, but in the sleek, thrifty, healthy calves it produces, as they suck their food slowly in a natural way.

Price: (Postage prepaid) .....\$2.60  
Extra Nipples (Postage prepaid) ..... .27

## Butter Paper

We handle exclusively the Pioneer Brand of high-grade vegetable parchment paper and guarantee it to be the very best obtainable. We solicit correspondence for large or small quantities in any size, plain, or printed with special designs.

## Arabian Scratches and Gall Cure

It is a scientific remedy for scratches and grease heel. It works as horsemen like to have it. 4-oz. pkg., .35; 8-oz. pkg., .75. Postage, extra each size, .08.

## Bag Balm

Cures chapped, cracked and sore teats, bunches, caked bag, chafing, cuts and inflammation.

Price: Per Box, .50; postpaid, .58



## Cows' Relief

It is used as a local application on cows' bags and teats. It will cure caked bags in 12 to 24 hours, if taken at the start.

Price: Small ..... \$0.75  
Large ..... 1.50  
Postage extra, each size, .09.

## Calves' Cordial

Is free if it fails to cure scours in cows and calves. Price: .75; postpaid, .84.

## Kow Kure

### The Great Medicine for Cows Only

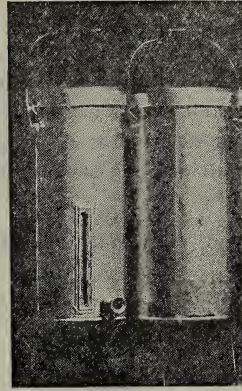
It acts upon the digestive, generating and milk-secreting organs, keeping the entire system toned up and in perfect working order. It goes to the roots of the trouble, and cures cow diseases by removing the cause.

Price .50 and \$1.00 per can.  
Postpaid ..... .59 and \$1.00

## Grange Garget Remedy

Positively cures garget without in any way injuring the cow or lessening the flow of milk, and tones and invigorates the infected parts. Price: .50; postpaid, .60

## Creamery Cans for Milk and Cream Storage



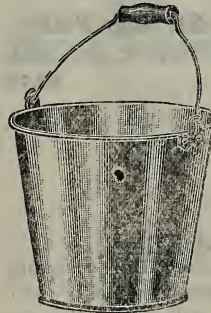
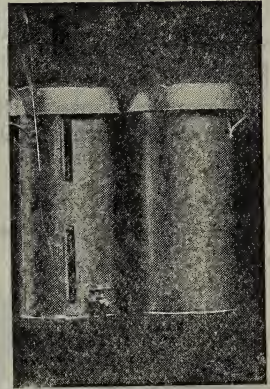
Buffalo Milk Can with Lead Faucet, Gauge, Bail Handle and Cover. Price ..... \$2.25

Buffalo Cream Storage Can with Bail Handle and Cover. Price \$1.75

Goss Special Milk Can with Nickel Faucet, Cooley Cover, Gauge and Side Handles.

Price, \$3.00

Goss Special Cream Storage Can with Cooley Cover and Side Handles. Price.... \$2.15



## Dairy Pails

10 Qt., lx	Each	.....	\$0.75
12 Qt., lx	Each	.....	.80
14 Qt., lx	Each	.....	.85
10 Qt., lxx	Each	.....	.85
12 Qt., lxx	Each	.....	.95
14 Qt., lxx	Each	.....	1.10
10 Qt., lc	Flaring	Each	.40
12 Qt., lxxx	Ex. Heavy Ea.		1.25

## R. R. Special Milk Cans

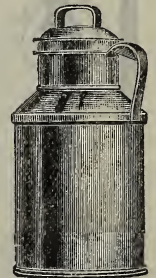
20 quarts ..... \$8.25  
40 quarts ..... Sold out

## Milk Delivery Cans

8 1/2 Quarts ..... \$1.75  
10 Quarts ..... 2.00

## Wooden Can Stoppers

3 1/4 in. x 3 1/2 in.. Each, .06; Doz., .65



## BLATCHFORD CALF MEAL

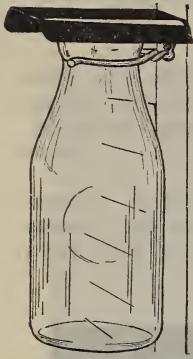
### The Complete Milk Equal

A 50-pound bag will nourish a calf from the time it is 4 or 5 days old until it can eat ordinary feed. Another bag or two combined with the ordinary feed will start it well on toward maturity.

All Prices Subject to Market Changes



## THE IDEAL



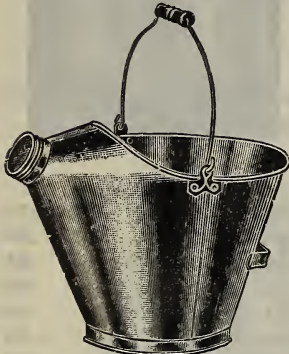
PAT. APP. FOR

### MILK BOTTLE HOLDER

#### Common Sense Milk Bottles Maine Seal

½ Pint doz. ....	\$0.70
1 Pint doz. ....	.85
1 Quart, doz. ....	1.00

Gross Prices on application.



### Strainer Pail

No. 124, 12 Qt., each  
\$2.75

### "Dandy-Lion" Weed Killer

Dandelion, Pigweed, Burdocks and other common weeds quickly and easily destroyed without cutting or digging, by use of the new "Dandy-Lion" Weed Exterminator. Cutting or pulling off the tops only retards the growth, the weeds soon re-appear, more vigorous than before. One operation with the "Dandy-Lion" kills root and all.

#### How It Works

All working parts are made easily accessible. The base with all working parts are quickly unscrewed and opened up for cleaning or adjustment. The plunger is pushed down into the crown of the weed and the

hole is enlarged by moving the handle with a circular motion. Then by pressing down the handle, the valve opens, the desired amount of weed killing solution is deposited in the centre of the root to be killed and the work is done. Price, \$1.00.



## STABLE GOODS



### Porter "Slam and Slide" Barn Door Latch

Here is a device that meets with the enthusiastic approval of every farmer. The Porter "Slam and Slide" Barn Door Latch fills a long-felt want.

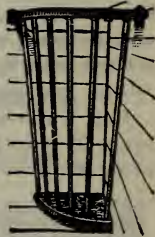
It is absolutely without equal for simplicity, strength, durability and cleverness of operation.

It works equally well right or left, on either slam or sliding doors.

Can be locked with padlock. The screws are protected. Adapted for any size door. Material is the very best malleable iron. Nicely finished. Price: .35; postpaid, .45.

### Corner Hay Rack

No. 3. Cast Top and Bottom and  
Steel Rods. Price ..... \$4.75



### Cattle Leads

No. 52. Each ..... .15  
Postpaid ..... .20

### Trace Chains

6 ½ Foot with hook, pair \$1.45  
Half with hook, pair.. 1.10

### Lengtheners

No. 57 with snap and six links,  
pair ..... .85  
Girting Chains each ..... .30

### Halter Chains

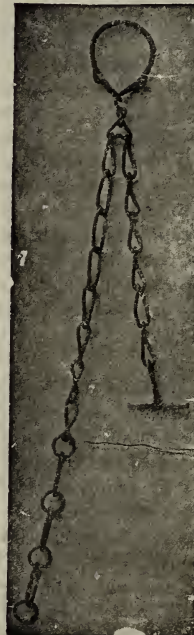
No. 77. Sargent's. Each .50

### Tie Out Chains

Eureka, 20 foot. Each....70

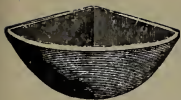
### Cow Chains

2 ½ Foot. Open Ring .. .35  
3 Foot. Open Ring .. .40  
3 ½ Foot. Open Ring .. .45  
4 Foot. Open Ring .. .55  
4 ½ Foot. Open Ring .. .65



All Prices Subject to Market Changes



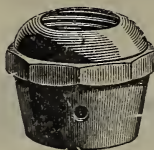


## Corner Feed Manger

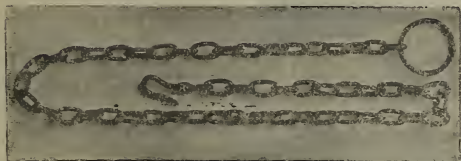
No. 3, Plain Edge, 17x17...\$3.25  
No. 6, Rolled Edge, 17x17... 3.75

## Ox Balls

No. 11. Each ..... .09  
No. 12. Each ..... .10  
No. 13. Each ..... .11  
No. 14. Each ..... .12 ½  
No. 15. Each ..... .20



## Stake Chains



6 ½ foot with Ring and Hook. Pair..... \$1.45



## Farmers' Boilers

A Low-Priced Farmers' Boiler  
Unsurpassed for general farm work  
For Wood

Prices on application



## Dr. Hess' Stock Food

Is the most paying condiment or medicated food ever given to Horses, Cattle, Hogs or Sheep.

2 lb. Pkg. ....\$0.30  
5 ½ lb. Pkg. .... .60  
12 lb. Pkg. .... 1.25  
25 lb. Pail ..... 2.25  
100 lb. Drum .... 7.50

## Bull Rings

2 ½ in. Steel .....	\$0.15	\$0.17
2 ½ in. Copper .....	.25	.27
3 in. Copper .....	.30	.32
3 ½ in. Bronze .....	1.40	1.45

Postpaid

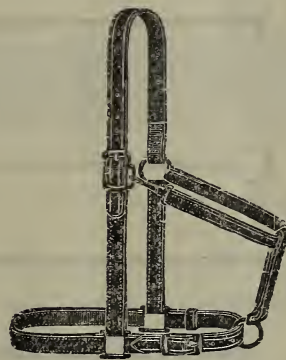
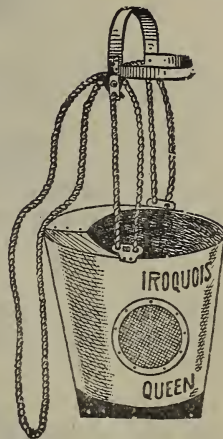
All Prices Subject to Change Without Notice

## Bull Snaps

No. 500 .....\$0.60; postpaid, \$0.65

## Canvas Feed Bags

No. 1301 Modoc Wood Bottom ..... .70  
No 1437 Mustang Wood Bottom Ventilated ....1.10  
No. 1037 Warrior Wood Bottom, Ventilated ...1.50  
No. 347. Queen Leather Bottom, Ventilated ...1.80  
No. 2S37° Steel Bottom Ventilated .....1.60



## Hunter's Curry Comb

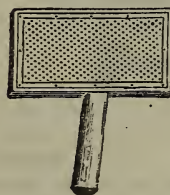
## Leather Halters

No. 57, Black...\$1.65  
No. 47, Russet.. 1.65  
No. 1 Fawn Web .40  
Black Cattle Halter  
\$1.00



## Curry Combs

No. 5. Hunter's .....\$0.20  
No. 234. 8 Bars shingle back..... .20  
Reform Oblong ..... .25



## Cattle Cards

No. 04. Leather Board ..... .25  
No. 4. All Leather ..... .30  
No. 2. Leather, large size... .35  
Postage, .05 each.

## Cow Bells

No. 0. 7 in. .... .80  
No. 1. 6 ½ in. .... .70  
No. 2. 5 ¼ in. .... .60  
No. 3. 4 ¼ in. .... .50  
No. 4. 4 in. .... .40  
No. 5. 3 ¼ in. .... .30



We have a line of Horse Brushes ranging in price from 30 to 65 cents each.

# GIFFORD-WOOD CO. ICE TOOLS



- No. 426. 4½ ft. Saw as above ..... Price \$8.00  
 No. 427. 5 ft. Saw as above ..... Price 8.25



- No. 443. Splitting Fork, Ring Handle. Weight 18 lbs..... Price \$8.00  
 No. 457. Calking Bar, Hollow Handle. 1 in. diameter. (Not illustrated) Weight 8 lbs..... Price 4.50



- No. 458. Bar or Packing Chisel. Steel Handle. Weight 15½ lbs..... Price \$6.25  
 No. 460. Summer Bar. Curved Blade. Polished Handle. Similar to 458. Weight 17 lbs. Price 10.50



- No. 465. Starting Chisel. Weight 14½ lbs..... Price \$6.00  
 No. 468. Socket Bar Chisel (Not Illustrated) Weight 10 lbs. .... Price 8.00  
 Similar to 458, but with wooden handle.



- No. 476. Splitting Chisel, Ring Handle. Weight 14 lbs. .... Price \$5.00

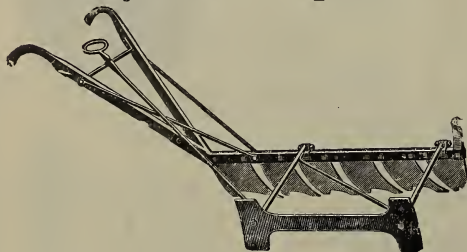


- No. 486. Needle Bar. Ring Handle. 3 Tine, Weight 16½ lbs. .... Price \$9.00



- No. 500. Line Marker. Weight 2 lbs..... Price \$2.50

## Dairymen's Ice King Plows



- No. 320—8 in., 5 Cutting and 1 Clearing Tooth with  
 14 to 22 in. Patent Adjustable Swing Guide. Price  
 \$53.00  
 No. 321—10 in. 5 Cutting and 1 Clearing Tooth with  
 14 to 22 in. Patent Adjustable Swing Guide. Price  
 \$58.00

## No. 540 Boston Ice Tongs



- |         |             |        |
|---------|-------------|--------|
| 13 in.  | Price ..... | \$2.20 |
| 14½ in. | Price ..... | 2.25   |
| 16½ in. | Price ..... | 2.30   |
| 20 in.  | Price ..... | 2.50   |
| 24 in.  | Price ..... | 2.70   |
| 26 in.  | Price ..... | 2.75   |

## Ice Hooks

- No. 520 Wood's 3 ft. to 18 ft.....\$1.60 to \$5.40  
 No. 369 Columbus, 3 ft. to 18 ft.... 1.10 to 2.50

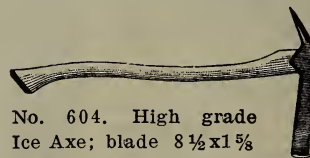
## Ice Axes

- No. 604 Boston Ice Axes .....Price \$3.25

## Ice Hook Handles

- 3 ft. to 14 ft. .... 25 to \$1.45  
 No. 652 D Handle 4 Point Shaver.....Price 3.50  
 No. 667 D Handle 3 Tine Breaker.....Price 6.00

## Boston Ice Axe



- No. 604. High grade  
 Ice Axe; blade 8½x1½  
 inches; handle 28 in.;  
 weight 4 lbs.

Price, \$3.25

All Prices Subject to Market Changes



# SIMONDS MFG. CO. GUARANTEED SAWS



No. 325. Crescent Ground Cross Cut. Narrow Felling Saw. Lance Tooth.

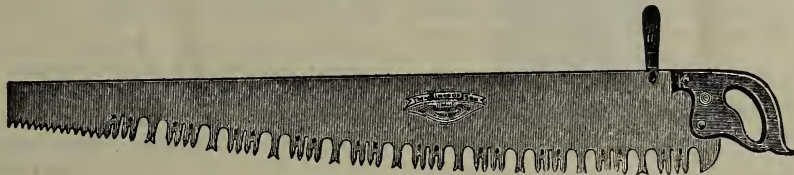


No. 315. Crescent Ground Cross Cut. Narrow Felling Saw Champion Tooth.

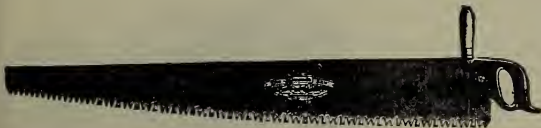
No. 22. Wide Cross-Cut Saw, otherwise same as No. 325.

No. 12. Wide Cross-Cut Saw, otherwise same as No. 315.

## One Man Cross-Cut Saws



No. 222. Lance Tooth.  $3\frac{1}{2}$ —4— $4\frac{1}{2}$  feet.



No. 111. Tuttle Tooth.  $3\frac{1}{2}$ —4— $4\frac{1}{2}$  feet.

## Simonds

Wood Saw Frames  
Wood Saw Rods  
Wood Saws Complete  
Pruning Saws  
Hack Saws

While we recommend the use of Simonds warranted Circular Saws in every instance, we can furnish a lower priced Circular Saw, which with proper use will give good satisfaction. Prices quoted on application.

## Cross Cut Saw Handles



No. 100



No. 22

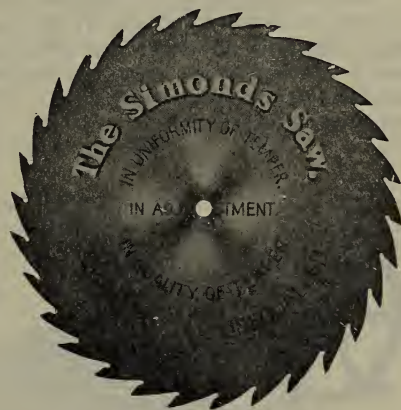
## SIMONDS

### Warranted Circular Saws

24 in., 26 in., 28 in., 30 in.

Bored for  $1\frac{1}{8}$  in. arbor.

Wood Saw Blades 32 in. Long, Narrow and Wide, Fine and Coarse Teeth



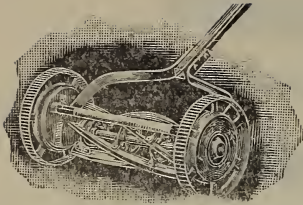
No. 111

No. 55



All Prices Subject to Market Changes

## COLDWELL LAWN MOWERS

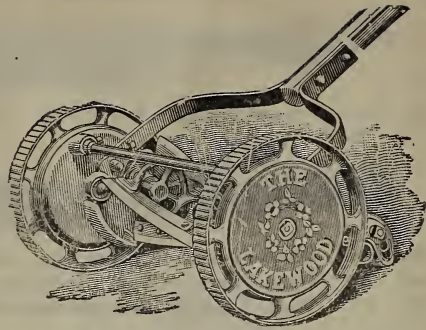


**Coldwell's  
Rajah**

Coldwell's RAJAH is a strictly high-grade ball-bearing Lawn Mower. It is made of first-class material throughout and the workmanship and finish are unsurpassed. It has large driving wheels and fine cut gears, thus ensuring ease and quietness of running. The large diameter revolving cutter which is furnished with five blades makes it an exceptionally high-class Lawn Mower.

This Mower is furnished with Coldwell's patent double-edge bottom knife which is shaped like a piece of channel iron with two up-turned highly tempered edges.

16 in., \$18.75; 18 in., \$20.50; 20 in., \$22.25



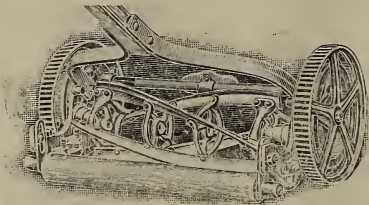
**The  
Lakewood**

This Mower we guarantee to be the best ball-bearing Lawn Mower, for the price, on the market. It has high wheels (9 inches), flat, steel sliding pawls in the ratchets, and large diameter revolving cutter (6 inches), furnished with four blades.

This Lawn Mower is equipped with our patent adjustable ball-bearings, the adjustment of which is accomplished by means of a single screw.

16 in., \$11.25; 18 in., \$11.75

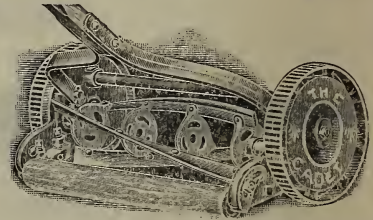
**The  
Fulton**



This is a good Mower at a medium price for all ordinary work. The drive wheels are nine inches in diameter. The revolving cutter is 6 inches in diameter and has 3 crucible steel blades highly tempered and ground true their entire length. It is carried on our patented adjustable ball-bearings.

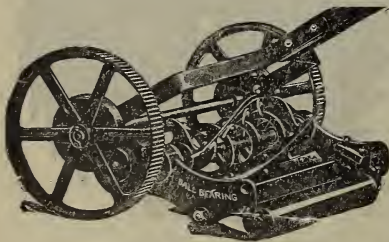
14 in., \$9.50; 16 in., \$9.85; 18 in., \$10.25

**The  
Cadet**



This is a good Lawn Mower at a medium low price and gives the purchaser full value for his money. It has brass bushings and the same ratchets and adjustments that are used on many of the high grade Mowers, and it is in every respect what is needed at the present time, viz., a Mower that will do good service and at a cost but little higher than the poor trash that is put out so freely.

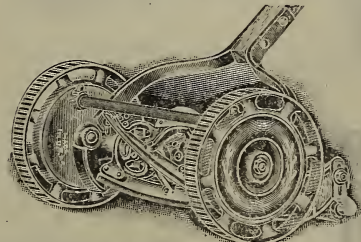
14 in., \$7.25; 16 in., \$7.50; 18 in., \$7.85



**Townsend's  
Victory**

We cannot offer a better mower at any price. It has Ball Bearings of the very highest grade exact to  $\frac{1}{4}$  of 1-1000 of an inch, which greatly reduces friction. Double Steel Ratchet, very swift and smooth in action, as well as exceedingly hard for durability. Triple Gear. Entirely enclosed, allowing no dirt or cut grass to find its way into the pinions or cogs.

16-in., \$19.75; 18-in., \$21.50; 20-in., \$23.25



**Townsend's  
Flyer**

A splendid High-Grade Mower, at a little lower price than the "Victory." Ball bearings entirely enclosed. Adjustments very simple. Knives very hard and of the best steel.

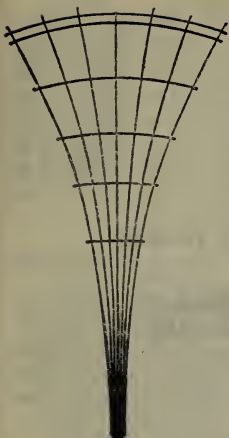
14 in., \$11.25; 16-in., \$12.25; 18-in., \$13.25

We make a specialty of GRASS SEEDS, and while we carry several grades from PURITY BRAND down, we always recommend the best, our PURITY BRAND.

All Prices Subject to Change Without Notice



# Trellises, Tree Guards, Flower Pots, Etc.



Fan



Bow



No. 0 1/2



No. 00

## Hartman Tree Guard

Made from heavy galvanized wire and very ornamental, affording absolute protection to trees. Two or more may be used together for trees of large diameter.

No. 1 6 ft., \$1.30

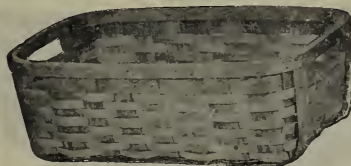


## Unglazed Flower Pots

With or without saucers  
Sizes 2 in. to 22 in.

Prices on application

## BASKETS



Market Basket, Hole Handle

## Ash Strapped Market Baskets, Hole Handle

	Length	Width	Depth	Price
No. 1	18 in.	10 1/2 in.	6 in.	\$0.75
No. 2	21 in.	12 in.	6 1/2 in.	.85
No. 3	23 in.	13 in.	7 in.	.95

## Ash Strapped Market Baskets, Bail Handle

	Length	Width	Depth	Price
No. 1	18 in.	10 1/2 in.	6 in.	\$0.80
No. 2	21 in.	12 in.	6 1/2 in.	.90
No. 3	23 in.	13 in.	7 in.	\$1.00



Grocers' Counter Basket

## Grocers' Counter Baskets

	Length	Width	Depth	Price
No. 1	17 in.	10 1/2 in.	3 1/2 in.	\$0.55
No. 2	20 in.	12 in.	3 1/2 in.	.60
No. 3	22 1/2 in.	14 in.	3 1/2 in.	.65

## Trellises

### Price

No. 00,	18 in. 3 1/2 wide	.....15
No. 00,	20 in. 8 wide	.....20
No. 0 1/2,	24 in. 7 1/2 wide	.....25
No. 1,	Bow 30 in. 10 in. wide	...35
No. 3,	Bow 36 in. 12 wide	.....75

## Veranda Trellis

6 ft. Veranda,	18 in. wide	....\$1.50
8 ft. Veranda,	18 in. wide	.... 2.00
10 ft. Veranda,	20 in. wide	.... 2.75

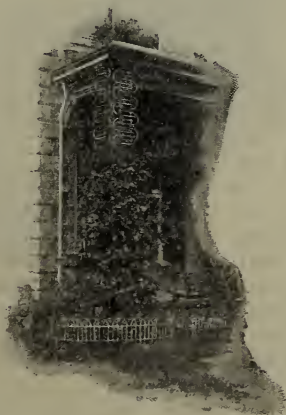


Veranda

Fancy  
Galvanized  
Wire Trellis  
18 in. wide

10 ft.

Fancy  
Galvanized  
Wire Flower  
Bed Guard  
.10 ft.



All Prices Subject to Change Without Notice



### Ash Oblong Laundry Baskets

	Length	Width	Depth	Price
4 Bu.	30 in.	20 in.	17 in.	<b>\$4.25</b>
6 Bu.	32 in.	22 in.	20 in.	<b>6.60</b>

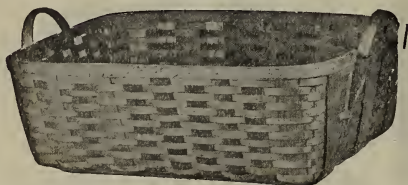
### Ash Oblong Mill Baskets

Same construction as mill basket only heavier

	Length	Width	Depth	Price
4 Bu.	30 in.	20 in.	17 in.	<b>\$5.35</b>
6 Bu.	32 in.	22 in.	20 in.	<b>7.25</b>

### Ash Covered Hampers

No. 2.	17 ½ in. square, 26 in. deep.	Price....	<b>\$3.50</b>
No. 3	21 in. square, 29 in. deep.	Price....	<b>4.40</b>



### Ash Oblong Clothes Basket Loop or Hole Handles

	Length	Width	Depth	Price
No. 2	26 in.	16 in.	9 in.	<b>\$1.50</b>
No. 3	28 in.	18 in.	10 in.	<b>1.70</b>
No. 4	30 in.	20 in.	10 in.	<b>1.90</b>
No. 5	32 in.	22 in.	10 in.	<b>2.30</b>



Oxford Baskets



Berry Baskets

All Styles and Sizes  
Write for prices

### Oxford Baskets

¼ Bushel	.....	each	<b>\$0.45</b>
½ Bushel	.....	each	<b>.60</b>
¾ Bushel	.....	each	<b>.70</b>
1 Bushel	.....	each	<b>.80</b>
1 ¼ Bushels	.....	each	<b>.95</b>
1 ½ Bushels	.....	each	<b>1.10</b>
2 Bushels	.....	each	<b>1.40</b>
3 Bushels	.....	each	<b>2.00</b>
4 Bushels	.....	each	<b>2.60</b>

All Prices Subject to Change Without Notice

### Ash Lunch Baskets with Cover and Double Bail

	Length	Width	Depth	Price
No. 2	10 in.	6 ½ in.	6 ½ in.	<b>\$0.75</b>
No. 3	11 ½ in.	7 in.	6 ½ in.	<b>.85</b>
No. 4	14 in.	8 ½ in.	6 ½ in.	<b>.95</b>
No. 5	15 ½ in.	9 in.	7 ½ in.	<b>1.15</b>
No. 6	17 in.	10 in.	8 in.	<b>1.25</b>
No. 7	19 in.	11 ½ in.	8 ½ in.	<b>1.45</b>
No. 8	22 ½ in.	13 ½ in.	9 ½ in.	<b>1.65</b>

### Ash Corn Packer's Baskets

1 ½ Bu.	.....	Price, \$2.15
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### Oxford Clothes Baskets Oblong, Loop Handles

No. 1.	Small	.....	each	<b>\$1.40</b>
No. 2.	Medium	.....	each	<b>1.60</b>
No. 3.	Large	.....	each	<b>1.80</b>



Ash Barrel  
Display Basket

Price, \$0.65

### Oxford Grocers' Baskets

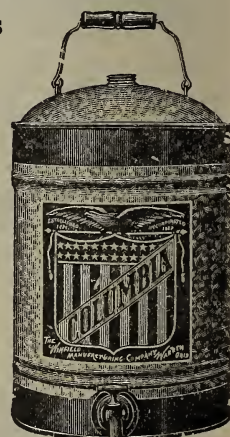
½ Bushel block handle	.....	each	<b>\$0.70</b>
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### GALVANIZED AND TIN WARE

#### Oil Cans



5 Gal. Climax Pump  
Oil Can



5 Gal. Columbia Fau-  
cet Oil Can

1	Gal. Polo with Handle and Bail	.....	<b>\$0.60</b>
2	Gal. Polo with Handle and Bail	.....	<b>.90</b>
5	Gal. Columbia with Brass Faucet	.....	<b>1.90</b>
5	Gal. Falcon with Iron Faucet	.....	<b>1.75</b>
5	Gal. Home Rule Pump Can	.....	<b>3.00</b>
5	Gal. Climax Pump Can	.....	<b>2.80</b>
5	Gal. Red Gasoline with spout	.....	<b>1.70</b>
5	Gal. Jacket Can	.....	<b>.85</b>
10	Gal. Jacket Can	.....	<b>1.45</b>
1	Gal. Screw Cap Can	.....	<b>.25</b>



## Dinner Pails

- No. 030 Heavy Tin, Tin Handle.  
About 3 qt .....\$1.00  
No. 040 Heavy Tin, Tin Handle.  
About 4 Qt. .... 1.10  
Medium Weight Tin, Wire Handle.  
About 3 Qt. With Plate..... .35  
Ladies' Tin, Round Wire Handle  
with Plate ..... .30  
No. 575 Oblong Heavy Tin, Wire  
Handle. About 4 Qt..... 1.50



Galvanized Basket. One  
Bushel

Price ..... \$1.25



Galvanized Chamber  
Pail

12 Qt. Price ....\$0.90

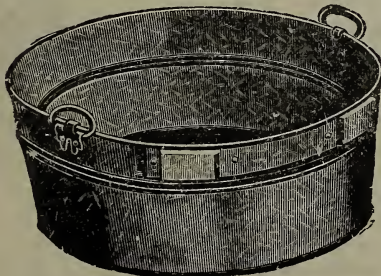


## Galvanized Garbage Cans With Cover

- No. 00 12x10 Pail Bail Handle.  
Price ..... \$1.65  
No. 03 14x14 Bail Handle. Price  
.....\$2.25  
No. 76 14x20 Side Handles. Price  
.....\$2.90

## Galvanized Ash Cans

- No. 6 20x26. Heavy. Drop Handles. Price.. \$6.00  
No. 090 18x26. Heavy. Drop Handles, Reinforced  
with Steel Ribs. Price..... 5.35  
No. 50 18x26. Medium Drop Handles. Price 4.60



## Galvanized Wash Tubs

- No. 11 20 1/2 x19 3/4 x10 1/2 .....\$1.40  
No. 22 22 3/4 x19 1/2 x11 ..... 1.60  
No. 23 24 1/2 x21 1/4 x11 ..... 1.80  
No. A 14 1/2 x11 x 8 ..... .80  
No. B 15 1/2 x12 3/4 x 8 1/2 ..... .90  
No. O 18 1/2 x15 x 9 ..... 1.00



## Wash Boilers

Prices on Application

## Galvanized Iron Water Pails Light Weight

- No. 102 10 Quart ..... each \$0.45  
No. 122 12 Quart ..... each .50  
No. 142 14 Quart ..... each .55  
No. 162 16 Quart ..... each .65

## Medium Weight

- No. 1312 12 Quart ..... each .65  
No. 1314 14 Quart ..... each .75

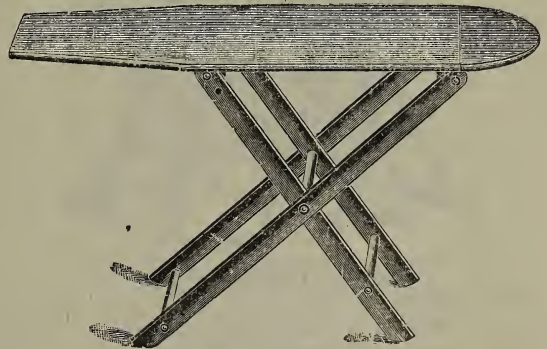
## Heavy Weight

- No. 510 10 Quart ..... each .80  
No. 512 12 Quart ..... each .85  
No. 514 14 Quart ..... each .90  
No. 516 16 Quart ..... each 1.10

## Mule Pail Medium Weight

- No. 616 16 Quart ..... each .80

## WOODENWARE



## Folding Ironing Table

- No. 1 58x19, Cloth Top ..... each \$3.90  
No. 2 54x16, Cloth Top ..... each 3.60  
No. 3 54x16, Plain Top ..... each 3.25

## Pastry Boards

- 16x22, each .....\$0.80  
18x24, each ..... .90  
20x26, each ..... 1.00

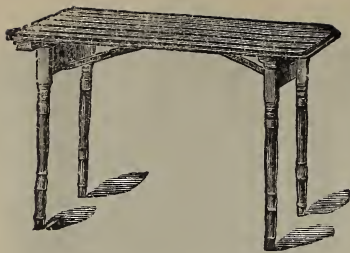
## Bread Boards, with Rim

- 16x22, each ..... \$0.90  
18x24, each ..... 1.10  
20x26, each ..... 1.20

## Skirt Boards

- 4 ft., each .....\$1.35  
4 1/2 ft., each ..... 1.55  
5 ft., each ..... 1.70

All Prices Subject to Market Changes



### Folding Sewing Table

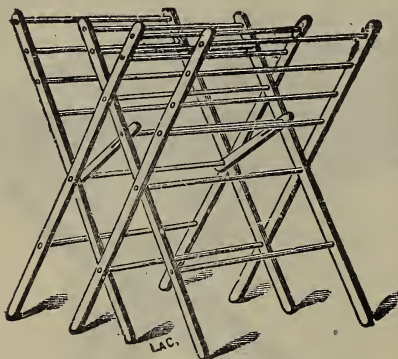
No. 000 36x19 .....	each	\$2.55
No. 00 36x19, with Castors .....	each	2.90

### Folding Card Tables

No. 21 24x24 .....	each	\$2.50
No. 23 27x27 .....	each	3.00

### Wood Bowls

11 in. ....	\$0.25
13 in. ....	.50
15 in. ....	.80
17 in. ....	1.50
19 in. ....	1.85
21 in. ....	2.70



### Spruce Clothes Horse

No. 3 Small, 40 feet drying space .....	\$1.50
No. 3½ Medium, 50 feet drying space .....	1.60
No. 4 Large 60 feet drying space .....	1.75

### Round Oak Butter Boxes With Bail

4 Quart .....	each	\$0.60
8 Quart .....	each	.80

### Wash Benches

Star, a good Spruce Bench .....	\$1.00
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### Wall Dryers

Smith's ....	.90
No. 1 Acme ..	.15
No. 2 Acme ..	.25
No. 3 Acme ..	.35

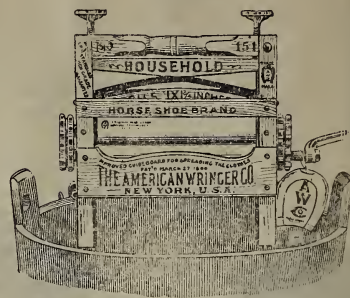


Smith's Wall Dryer

All Prices Subject to Market Changes

## Wringers

American Wringer Company's Celebrated Horseshoe Brand



### Tub Wringers

#### Iron Frame—Plain Bearing

No. 100 Daisy 10 in., 1 year warrant .....	\$3.85
No. 330 Relief, 10 in., 3 year warrant .....	5.50

#### Wood Frame, Plain Bearing

No. 100 Rival, 10 in., 1 year warrant .....	\$5.25
No. 340 E Universal. Reversible Board, 10 in., 3 year warrant Enclosed Gears .....	\$6.50
No. 541 Royal, 11 in., 5 year warrant .....	7.50

#### Wood Frame, Ball Bearing

No. 380 E. Universal, 10 in., 3 year warrant. Enclosed Gears .....	\$6.75
No. 381 Universal, 11 in. 3 year warrant .....	6.75
No. 361 Universal 11 in. 3 year warrant Re- versible Board .....	7.25
No. 590 Royal 10 in. 5 year warrant .....	6.50

### Bench Wringers

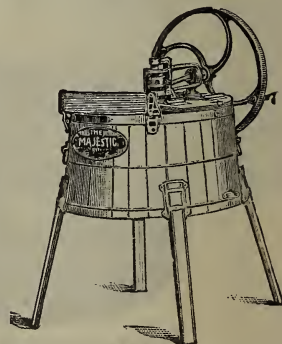
No B380 E. Universal 10 in. 3 year warrant. Ball Bearing. Enclosed Gears .....	10.00
Wringer Rolls and Repairs	

### Washing Machines

The Majestic has roller bearings, Virginia white cedar tub, electrically welded hoops. Natural finish. Price, \$13.00

Richmond High Speed Washing Machine has ten roller bearings, cut gears all covered, Virginia white cedar tub, heavy flat steel hoops.

Price, \$16.75



Lightning Washing Machine, a good first-class machine made of Virginia white cedar, finished in light gray paint. Price, \$8.25

R. C. W. Water Motor Washing Machine is equipped with durable water motor. Price, \$21.00



## Washboards



No. 100 Northern Queen, perforated, duplex protector .....	\$0.75
No. 725 Naiad, perforated, spiral crimp .....	.65
No. 126 Ruby, plain crimp .....	.65
No. 824 Silver King, special metal spiral crimp .....	.60
No. 795 Junior, pail size, 8½x19, Globe crimp .....	.40
No. 818 Little Darling, pail size 7¼x16 globe crimp .....	.25
No. 862 White Hen Glass, spiral crimp .....	.70
No. 801 Brass King, spiral crimp .....	.80
No. 652 Banner Globe, zinc surface, use both sides .....	.75

Paris Manufacturing Company's  
Carts, Wagons, Wheel-Barrows,  
Frame and Clipper Sleds  
Baby Sleighs and Sled Boxes



**Toboggans**  
Quoted on application.

**Skiis**  
All sizes and styles quoted on application.  
Full line of Paris Mfg. Co.'s goods in stock at all times.



## LADDERS, SLEDS, ETC.



### Michigan Extension Ladders

20 Foot .....	Price \$0.45 ft.
24 Foot .....	
28 Foot .....	
32 Foot .....	
34 Foot .....	
36 Foot .....	
40 Foot .....	

### Common Ladders

18 to 22 ft. ....	per ft. \$0.30
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### Apple Ladders

18 to 22 feet .....	per ft. \$0.30
---------------------	----------------

### Step Ladders

Paris, 3 to 10 ft. ....	per ft. \$0.60
Gem, 3 to 10 ft. ....	per ft. .50



## BROOMS, BRUSHES, ETC.

Our line of Brooms is a carefully selected one, especially in the better Grades

**Whisk Brooms**  
40 and 45 cents each

<b>Nail and Vegetable Brushes</b>	
No. 20. Nail. Price .....	\$0.10
Handy House. Vegetable. Price .....	.10
Postage Extra, .05.	

<b>Stove Brushes</b>	
No. 31 Price .....	\$0.25
No. 45 Price .....	.30
Postage Extra, .05.	

All Prices Subject to Market Changes

## Window Brushes

No. 50 .....	\$0.60
No. 60 .....	.70
No. 70 .....	.80

## Shoe Brushes

No. 7 .....	.30
-------------	-----

## Counter or Dust Brushes—Set Bristles

No. 2 .....	\$0.40
No. 3 .....	.50
No. 4 .....	.55

## Floor Brushes

No. 8 14 in. Set Bristle .....	\$1.00
No. 12 14 in. Set Bristle .....	1.50
No. 14 14 in. Drawn Russia .....	2.00
No. 16 16 in. Drawn Russia .....	2.75
No. 18 18 in. Drawn Russia .....	3.25
No. 1 Imperial. 14 in. ....	1.10

## Scrub Brushes

No. 3 White .....	.20
No. 90 Black .....	.20
No. 70 2 Row Rice Root .....	.15
No. 77 3 Row Rice Root .....	.20

## Mouse Traps

Hold 'Em .....	\$0.35
Dead Easy .....	.05
Five Hole Tin .....	.10
Four Hole Wood...	.15

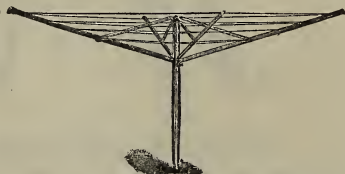


Star Rat Trap



## Rat Trap

Hold 'Em .....	\$0.60
Star .....	.25
Dead Easy .....	.15

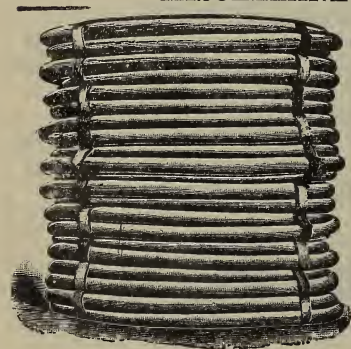


Outdoor Clothes Dryer

## Cotton Line

No. 1 110 ft. 4	
Line ...	\$7.25
No. 2 150 ft. 5	
line ....	7.75

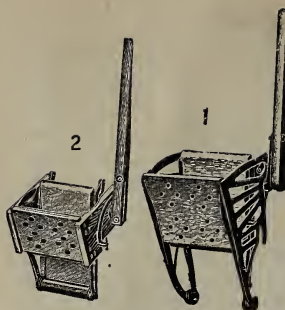
## MISCELLANEOUS



## Rubber Garden Hose

½ in., ⅝ in.,  
and ¾ in., 5, 6  
and 7 Ply.

Price: 15 to 23  
cents per foot.



## Mop Sticks

No. 7 Ideal ..	\$0.25
No. 4 Trojan ..	.25
No. 10 Heavy ..	.40
No. 5½ Combination Brush and Mop	.30

## The White Perfection Mop Wringer

It is the most practical wringer made and will last from two to four times as long as any mop wringer made.

No. 1 Hotel size .....	\$3.25
No. 2 Family size .....	2.25
No. 3 Family size Steel Frames .....	2.75



## Galvanized Watering Pots

6, 8, 10, 12 and 16 qt.  
sizes.

Prices on application.

## Galvanized Coal Hods

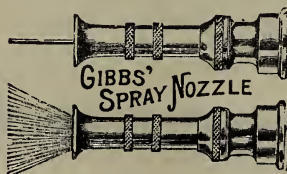
No. 516 Small. Price	\$0.75
No. 517 Medium. Price	.80
No. 518 Large. Price	.85



A favorite for years.

Has a removable screw tip which may be removed to produce a heavier stream.

Price ..... \$1.00; postpaid, \$1.10



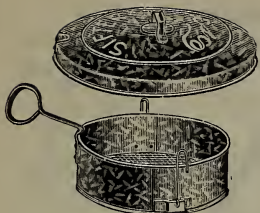
## Gibbs' Spray Nozzle

Positive Shut off.  
Few Parts.

Price .....	\$0.75
Postpaid .....	.85

All Prices Subject to Market Changes





## No. 0 Nesco Ash Sifter

An all metal sifter.

Price  
With cover .....\$2.25  
Without cover ... 1.25

## Champion Coal Sieves

Wood Rim with wood cover .....  
Wood Rim without wood cover .....



Rubber Belting  
Prices Right.

Cut Lacings  
Different Sizes.



Lightning  
Hay Knife  
Price, \$1.50

Grass Hooks  
Little Giant, folding blade,  
Price .....\$0.50  
Gem rigid blade. Price .25

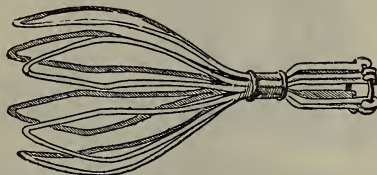
Corn Hooks  
Detroit Plain. Price \$0.40  
Brooks, Serrated. Price .50  
No. 95. Serrated Adjustable.  
Price ..... .45

Dust Pans  
No. 41 Japannel with steel edge .20  
No. 390 Japannel with steel edge .50

Continuous Sprayer



Machine weighs 6 lbs. Furnished with three tubes,  
5 nozzles and strap. Distributes any dry powder. Dusts  
one or two rows. Reservoir holds nearly a quart of  
Powder. Price ..... \$8.75

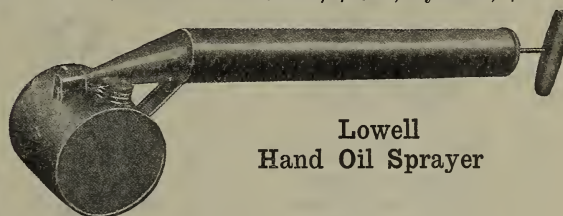


Wire Fruit Picker  
To attach to pole.



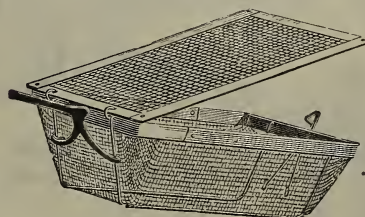
## A Wrench and Thread Cutter. Frosted Nickel, Non-Rusting

This tool has more uses than any wrench on the  
market. A necessity on the farm, in every shop and  
household. Price, \$0.50; by mail, \$0.55



Lowell  
Hand Oil Sprayer

No. 112 All Tin. .... Price, \$0.45  
No. 114 All Brass. .... Price, 1.15  
No. 115 All Tin. Continuous. .... Price, .80  
No. 0 All Tin. Junior Size. .... Price, .35



## Common Corn Popper

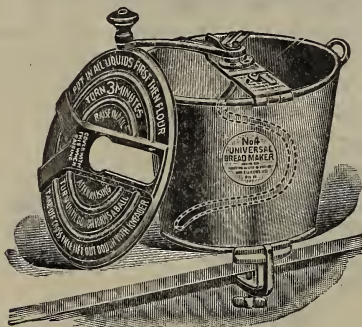
1 Quart .....\$0.20  
1½ Quart ..... .25  
2 Quart ..... .30  
4 Quart ..... .55  
2 Quart Extra Heavy ..... .35

All Prices Subject to Market Changes

## Universal Steel Hand Coffee Mills

Black Enamel Finish handsomely ornamented, patent adjusting device. Grinds as fine or coarse as wanted. Grinders warranted equal to steel.

No. 109	Height 6 in.	.....\$0.70
No. 110	Height 8 ½ in.	..... .90



## The Universal Bread Maker

Three minutes in this easy and pleasant way. Twenty to thirty minutes by the old way. The hands do not touch the dough, which is mixed and kneaded thoroughly in three minutes by this machine.

Price, No. 8, \$4.00

## Can Openers

King with corkscrew	..... each	\$0.10
Never Slip	..... each	.10
No. 17	..... each	.05

## Lightning Fruit Jar Opener

Price, \$0.10.

## 98 Turntable

### Apple Parer

Price, \$1.35

## White Mountain

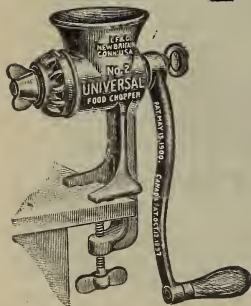
### Apple Parer

### Corer and Slicer

Price, \$1.00

## Egg Beaters

No. 5 Holt's	.....\$0.20
No. A Holt's	..... .25
No. B Holt's	..... .35
Lyons	..... .30



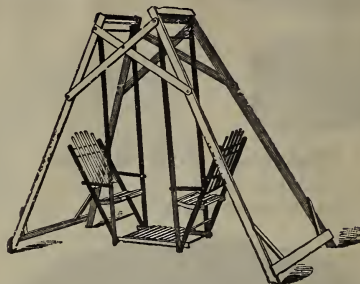
## Universal Food Chopper

No. 0	.....\$2.00
No. 1	..... 2.50
No. 2	..... 3.00
No. 3	..... 4.00
No. 344	.....16.00



## Lawn Swings

No. 6 Favorite, two passengers, each	.....\$7.00
No. 5 Fairfield, four passengers, each	..... 9.00

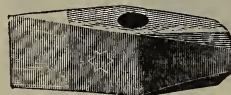


## Picks, Mattocks, Etc.

### Wood Choppers' Mauls

6 to 9 lbs.

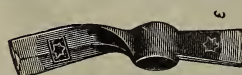
Price, per lb. ....\$0.23



### Wood Choppers' Wedges

3 ½ to 6 lbs.

Price, per lb. ....\$0.15



### Short Cutter Mattock

Price \$1.25



### Pick Mattock

Price, \$1.25



### Contractors' Pick

Price, \$1.70

### Railroad Pick

Price, \$1.20

### Axe Wedges

Price

.05	.10	.25
-----	-----	-----

### Saw Wedges

Price, per lb ....\$0.22



### Long Cutter Mattock

Price, \$1.25



### Grub Hoe

Price, \$0.90

### Crowbars

12 to 18 lbs.

Price, per lb. ....\$0.12

### Axes

Hisco and Mountaineer in Maine, Half Wedge and Double Bit Patterns.

### Barrel Headers

A simple contrivance, but indispensable for putting heads in barrels after being filled with apples and other produce.

No. 1 1-inch Screw .....\$2.50

All Prices Subject to Change Without Notice





## TRUCKS, ETC.

### Dandy Bag Truck

Price, \$4.00

## Bag Trucks

### Barrel Trucks

One Half Ironed.

Prices from \$8.25 to \$11.75

### Heavy Barrel Trucks

No. 1 .....\$3.00

No. 4 ..... 3.75

### Eureka Barrel Truck

Price, \$2.50.

## Axle Grease

Fraser's Small Tin Boxes .....\$0.25

Fraser's 3 1/2 lb. Tin Pails ..... .45

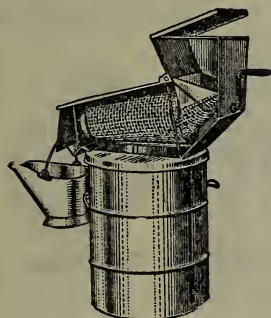
Snow Flake ..... 1 qt., .40; 2 qt., .70; 1 gal., \$1.10

## Frank Miller's Harness Composition

1 lb., Small .....\$0.25

2 lb., Medium ..... .50

10 lb., Large ..... 1.50



## Revolving Dustless Ash Sifters

Prices on application.

## Highley's King of Pruners Both Self-Holding and Non-Holding

Never any danger of receiving shock by crossing electric wires, as they are operated by a cord running the entire length of pole.

12 ft. Self-Holding .....\$1.60

14 ft. Self-Holding ..... 2.00

16 ft. Self-Holding ..... 2.00

12 ft. Non-Holding ..... 1.15

14 ft. Non-Holding ..... 1.25

16 ft. Non-Holding ..... 1.40



All Prices Subject to Market Changes

## Telephone Pruner Head

Made to attach to any pole. Are heavier than the regular tree pruners.

Price, each .....\$1.15

Postpaid ..... 1.25



## Rockdale Pruners

No 35 26 in. Price, \$1.30

## Iwan Post Hole Auger

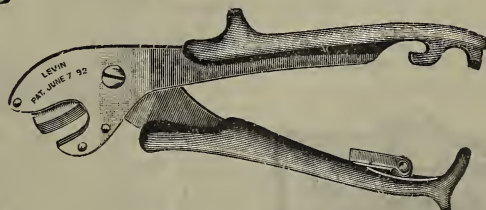
8 inch .....\$2.50



## Standard Tree Pruners

Very useful for trimming trees, and cutting down moths' nests.

	Price
8 ft. ....	\$1.35
10 ft. ....	1.40
12 ft. ....	1.50
14 ft. ....	1.90
16 ft. ....	1.90
Knives .....	.15
Springs .....	.10



## Levin Pruning Shears

No. 23 .....\$0.75

No. 24 ..... .90



## Secor's Weeding Hook

Price, .20

Postpaid, .25



### Clyde Draw Cut Pruner

The most powerful pruner made.

24 in. ....\$3.50

Sure Clip Grass Shears ..... .50 postpaid



### Hazeltine Hand Weeder

By far the best and most practical Weeder for all kinds of vegetables and flowers ever invented. Especially adapted to the weeding of Onions and Sugar Beets. It pays for itself every hour it is used in the home or market garden. Price, .50; postpaid, .60

### Foot Warmers

More commonly known as soap stones.

Price, 6x 8 ..... \$0.45

Price, 7x 9 ..... .50

Price, 8x10 ..... .60

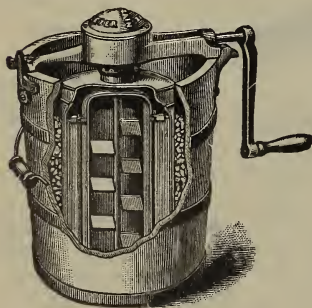


### White Mountain Ice Chipper

Price \$0.60. Postpaid, \$0.70.

### White Mountain Freezers

The most popular freezer used in this section. Positive triple action.



1 quart .....\$3.65

2 quarts ..... 4.25

3 quarts ..... 5.00

4 quarts ..... 6.20

6 quarts ..... 7.85

8 quarts .....10.15

10 quarts .....13.50

12 quarts .....16.20

15 quarts .....19.20

20 quarts .....24.90

25 quarts .....32.00

### Pruner Shears. (California Pattern)

Japanned. Price, \$1.00, postpaid

Nickelled. Price, \$1.50, postpaid

### Wood Measures

1 qt., .30

2 qts., .35

4 qts. .55

8 qts., .70

½ bushel, \$1.50

Nest of five sizes .....\$2.90



### Norcross Cultivator Hoe

5 Prong 4-ft. Handle ..... Price \$1.20

3 Prong 4-ft. Handle ..... Price .85

### "Norcross" Midget Weeder



For Flowers, Shrubbery and Garden.

Quality and Finish same as Cultivator-Hoes

Weight 12 oz., 9 in. Handle.....Price, \$0.50

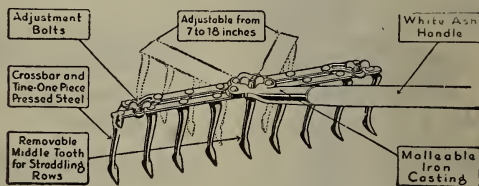
Postpaid, .60



### Asparagus Knife

Drop Forged Blade, excellent not only as an asparagus knife, but the "best ever" for digging Dandelions and other weeds.

Price, \$0.40; Postpaid, .45



### Pull-Easy Adjustable Garden Cultivator

4½- Foot Handle .....\$1.35



### Indurated Fibre Ware

A Full Line of Fibre Ware Tubs. Spittoons. Measures.

If you don't own a Garden Seeder and Garden Cultivator and are doing any gardening at all don't lose any time in calling on us and see what we have to offer you in the way of seeders, cultivators, etc. You don't have to do a very large amount of gardening to save the price of one of these tools.

All Prices Subject to Market Changes



## DEITZ LANTERNS AND GLOBES



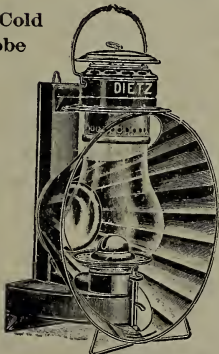
No. 2 Blizzard  
Cold Blast



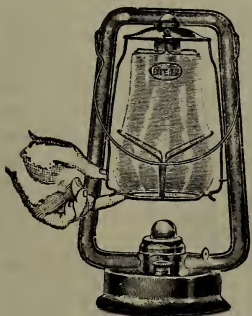
Wizard Lantern Cold  
Blast. Short Globe



Octo  
Driving Lamp



Mammoth Search Light  
Cold Blast



No. 0 Hy-Lo Hot Blast



Roadster Wagon Lantern

No. 2 Blizzard .....	\$1.35
No. 2 Special Blizzard with large fount .....	1.50
No. 0 Wizard Cold Blast. Short Globe .....	1.10
No. 2 D-Lite Cold Blast. Short Globe .....	1.35
No. 2 D-Lite Cold Blast. Short Globe and Large Fount..	1.50
No. 15 Emperor Dash. Hot Blast Bulls Eye Globe .....	1.35
No 17 Sterling Dash. Cold Blast. Bulls Eye Globe .....	1.80
No. 30 Cold Blast. Search with Bulls Eye Globe.....	2.60
No. 60. Cold Blast. Mammoth Search. Plain Globe ....	8.50
Roadster Cold Blast. Side Lamp	1.75
Pioneer Street Lamp .....	7.00
Eureka Driving Lamp.....	1.80
Octo Driving Lamp.....	3.70
No. 0 Hy-Lo Hot Blast ....	.85



Dash Clamp  
Holder



Eureka  
Driving  
Lamp

## Stoneware

### Jars Complete With Covers

1	Gallon .....	\$0.50
1 1/2	Gallon .....	.65
2	Gallon .....	.75
3	Gallon .....	1.15
4	Gallon .....	1.40
5	Gallon .....	1.75
6	Gallon .....	2.00



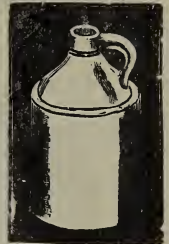
### Stone, Meat or Pork Tubs

#### Without Covers

8	Gallon .....	\$2.00
10	Gallon .....	2.50
12	Gallon .....	3.00
15	Gallon .....	4.25
20	Gallon .....	5.75
25	Gallon .....	7.85
30	Gallon .....	9.40
35	Gallon .....	13.50
40	Gallon .....	15.35

## Stone Jugs

1	Gallon .....	\$0.35
2	Gallon .....	.60
3	Gallon .....	.85
4	Gallon .....	1.10
5	Gallon .....	1.35



## Bean Pots

1	Quart .....	\$0.30
2	Quart .....	.35
3	Quart .....	.40
4	Quart .....	.45
6	Quart .....	.55
8	Quart .....	.65

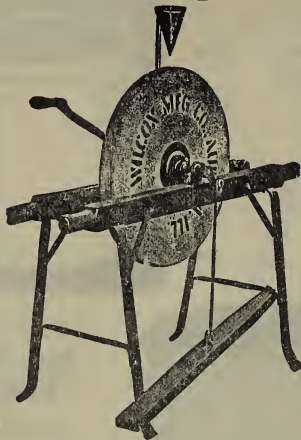
McGraw Tires uniformly yield full mileage because they are uniformly perfect in build. The Duplex Method, a McGraw process of vulcanization, prevents defects such as mold pinches and buckles,—invisible flaws which are a menace to tire service.

You get all the mileage of which quality materials are capable at their best, and you get it without appreciable variation.

McGraw Tires wear out—eventually. But they don't give out.

All Prices Subject to Change Without Notice

## Climax Ball-Bearing Grindstone



A well and substantially built machine equipped with both hand crank and treadle. Frame is a combination of wood and steel—finished in Japan and red paint. Runs “true” and easy, for journals are fitted with Ball-Bearings.

Furnished with carefully selected Berea grit stone—from 2 to 2¼ inches thick.

Climax Ball Bearing. Large stone .....\$8.40  
Climax Ball Bearing. Medium stone..... 8.15

## GIBRALTAR PORTABLE PLATFORM SCALE

Single Beam with  
Wheels

Beams graduated  
50 lbs., by ¼ lbs.

It is absolutely  
accurate and dura-  
ble.

The “Gibraltar”  
scale is made to  
comply with the  
laws on weights  
and measures of all  
States of the Union.  
600 Lbs. Capacity.  
Platform 16x25.

Price \$27.00

800 Lbs. Capacity.  
Platform 17x26.

Price \$31.00



## Cycle Ball-Bearing Steel Frame Grindstone



It's made right—built on up-to-date mechanical principles. Equipped with same grade and size stone as used in Climax Machine. Peculiar construction of frame insures great rigidity. Upper frame forms brace for legs which are made of one-piece angle steel.

Ball-bearing axle and pedal cranks cause stone to revolve rapidly, easily, and evenly. Attractively finished in red or black enamel. Easily set up.

Cycle Ball Bearing Medium Stone.....\$8.75



## Scythe Stones

Black Diamond .....	.15
Indian Pond .....	.10
Willoughby Lake .....	.10
Chocolate .....	.10
Axe Stones .....	.05
Carborundum. Small .....	.35
Carborundum. Large .....	.40
Quick Cut .....	.15
Lectro .....	.15
Emery .....	.15
Green Mountain .....	.10

To mail, add 5 cents each.

All Prices Subject to Market Changes



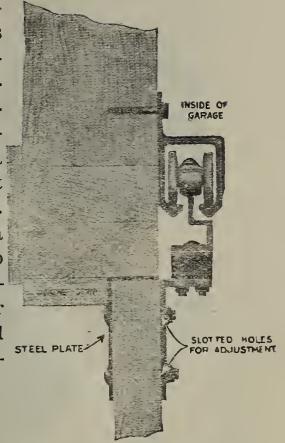
## Straight-Away Garage Door Hanger

### A Practical Outfit

"Straight-Away" is easily and quickly installed. It is made to fit standard doors. In the carton all parts and screws are separately packed and marked where they are to go. No possibility of making a mistake. You, yourself, can install it in an incredibly short time.

Its straight track does away with extra labor and extra cost where a

supporting arm is required. And it permits of saving of space, because the doors are **Fold-ing-Sliding**. The **Offset-Swivel**—an exclusive Porter feature—insures a perfect fit of doors against jamb and weather-strip. No possible chance for a mistake. "Straight-away" outfit to sag, spring or bind. Slotted holes in the hanger plate make it easily and quickly adjustable to unevenness in floor, etc.



### What the Set Includes

The "Straight-Away" Garage Door Set contains everything necessary for you to immediately install it. Note that no brace timbers are required as the track is straight throughout its length.

The set is designed primarily for standard doors, 2 ft. 8 in. x 8 ft., these filling the regular width opening of eight feet.

The complete set includes:

6 feet of Porter "Double-V" Door Track.

Also a neat carton containing:

The "Straight-Away" Hanger with adjustment arm and plate.

2 Chain Latches complete.

2 Door Pulls; one with latch and special blind hasp for padlock.

2 "Double-V" End Brackets for track.

1 "Double-V" Center Bracket for track.

9 Butts Hinges.

All complete, with lag screws, wood screws, etc.

### Porter Straight-Away Garage Door Set Weather-Proof

The "Straight-Away" set makes the three doors, when shut, fit perfectly against the jambs. A weather-proof job. Every door is firmly locked. And every door keeps rigid alignment whether closed or open.

### Opens Inwardly

With the "Straight-Away" the three doors open inwardly. The insert picture on right hand side shows how the single door can be used as an entrance and how the double doors slide and swing to make available the maximum opening of the doorway.



## REFRIGERATORS

We handle the unexcelled line of White Mountain and Pilgrim Refrigerators and can recommend these most strongly to anyone desiring this article.

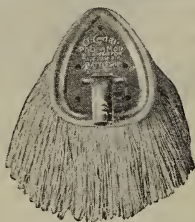
If interested let us mail you illustrated catalog giving complete description and sizes of the different styles, also price. Buy a Refrigerator that will satisfy you.

## O-Cedar Polish Mops A Better and Easier Way to Clean



Triangular  
Polish  
Mop

Battleship  
Polish  
Mop



Cleans and polishes at the same time, putting a high, lasting lustre on all varnished surfaces. There is nothing to equal the O-Cedar Polish Mop for polished floors, linoleum, etc. Gets down into the corners, gets the dust under beds, heavy furniture, radiators etc. The mop is padded and cannot scratch or mar the furniture.

The only polish mop that can be successfully washed and cleaned and renewed. Prices:

- No. 1 Large Round O-Cedar Polish Mop . . . \$1.75
- No. 2 Small Round O-Cedar Polish Mop . . . 1.25
- No. 3 Large Triangle O-Cedar Polish Mop . . . 1.75
- No. 4 Small Triangle O-Cedar Polish Mop . . . 1.25
- No. 10 Battleship O-Cedar Polish Mop . . . 1.50
- No. 11 Battleship O-Cedar Dry Mop . . . 1.50

## O-Cedar Polish

## A Wonderful Varnish Food

For cleaning and polishing floors, furniture, automobiles etc. O-Cedar is by far the most economical furniture polish as it is used with water. Puts on a high, hard, lasting lustre, and does not leave a bluish cast and gummy surface. It contains no grease, mineral by-products or ben-zines.

Every ingredient of O-Cedar Polish is a pure vegetable substance. Positively will not ignite. It is easy to use. Very little rubbing is required.

O-Cedar Polish is well and favorably known and is widely advertised in connection with the O-Cedar Polish Mop.

Price: 4 oz. Bot. \$0.25

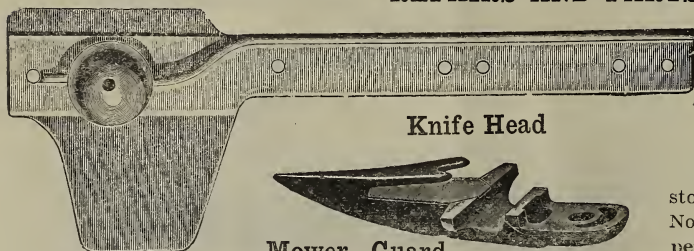
Price: 1 qt. Cans \$1.00

Price: 12 oz. Bot. .50

Price: 1 gal. Cans \$3.00



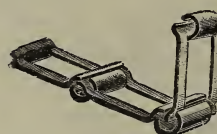
## REPAIRS AND PARTS



Knife Head

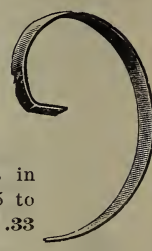
Mower Guard

Guard Bolts and Guard Plates for all Guards, Knife Heads, Sections, Rivets etc., all guaranteed to fit the machine for which they are intended.



Link Belt Chain

Malleable and steel. Sizes in stock all the way from No. 25 to No. 62. Prices from .20 to .33 per foot.



Spring  
Harrow  
Tooth



Steel Harrow Tooth: Square  $\frac{1}{2}$  and  $\frac{5}{8}$  inch.



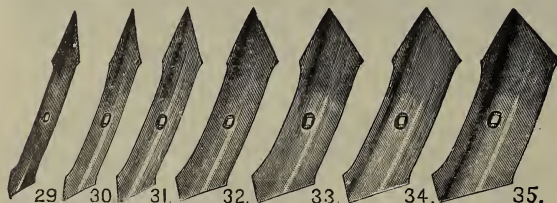
Cold Chisel: Prices  $\frac{1}{2} \times 6$  . . . . .15 postpaid .20

Cold Chisel: Prices  $\frac{5}{8} \times 6 \frac{1}{2}$  . . . . .20 postpaid .25



Mower Knife

Drive Punch:  $\frac{1}{4} \times 6$  . . . . .15, postpaid, .20



Cultivator Steels

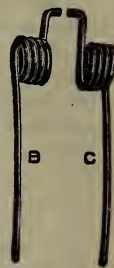


Guard Plate



Section

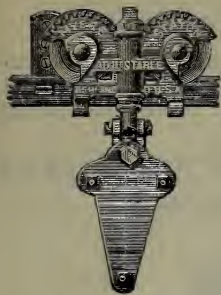
Tedder Fork



Notice—In ordering repairs always give name of machine and number of old part. When the number or letter cannot be found, it is always best to send, by parcel post or express prepaid, the old or broken part, thus avoiding mistakes or delays.



# BARN DOOR HANGERS



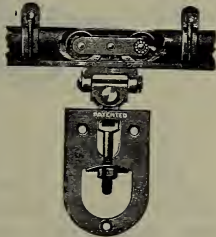
The Myers Adjustable Tandem Stayon Flexible Door Hanger with Steel Roller Bearings

This is the only hanger on the market that can be adjusted perpendicularly so as to locate the door at any point above the ground desired, or laterally so as to adjust the door to or from the building, and will also adjust itself to any thickness of door.

The Myers New-Way Adjustable Tandem Door Hanger

For Tubular Girder Track Adjustable to and from Building and to Raise and Lower the Door

The adjustable features of this hanger are very important, as they enable the user to adjust the door to and from the building. Price, \$2.75 per pair



Myers Tubular Track \$0.30 per foot  
Intermediate Brackets . . \$2.25 per doz.  
End Brackets \$2.25 per doz.



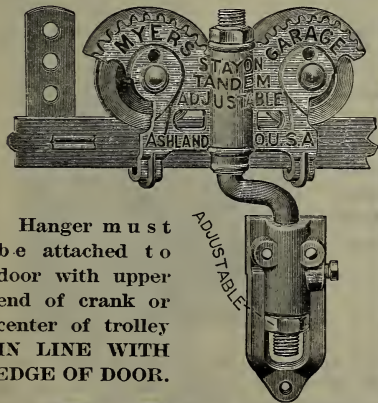
Myers Tubular Track

McKenney Door Hanger

No. 10. To run 10 feet.....\$0.75

All Prices Subject to Change Without Notice

Myers Right Angle Garage Door Hanger



Hanger must be attached to door with upper end of crank or center of trolley IN LINE WITH EDGE OF DOOR.

Steel Track, 4, 6, 8 ft.

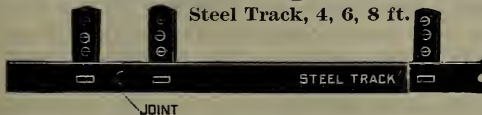


Fig. 860

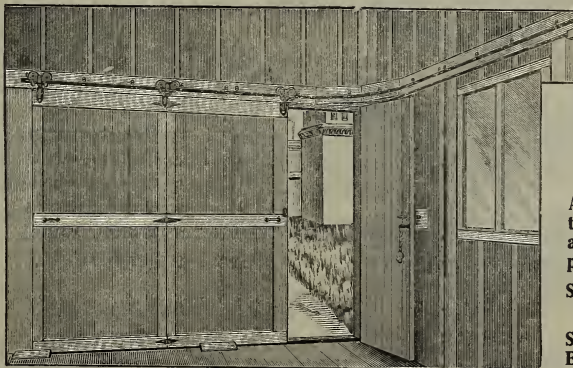
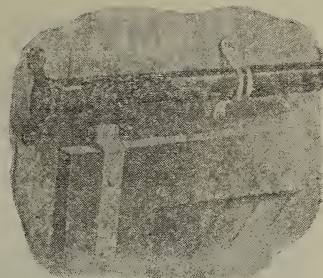


Fig. 1702



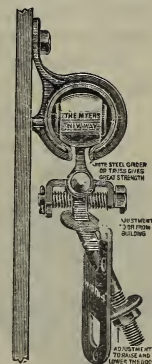
Porter "Whirlwind" Barn Door Hanger—No. 6

This Whirlwind Hanger itself is very compact, it is ball-bearing throughout. The wheels are made of hardened steel and each runs upon twenty-four balls. The track, as will be seen from the cut, is in the form of an ellipse, with one end flattened so as to provide a level surface upon which the wheels run.

Price, \$1.25 per pair  
Track, \$0.18 per foot  
Brackets, \$2 per doz.

The Myers "O. K. Adjustable Stayon" Flexible Covered Door Hanger Single Track—Patented

With Hard Steel Roller Bearings. Pushes and pulls easily. The "O. K. Stayon" is constructed with a malleable frame extending over and covering the wheel. Price, \$1.60 per pair



Malleable Iron Frame  
Unusual Strength

Wheels Completely Covered

Adjustable to and from the building and up and down by means of patented crank.

Stayon Feature—Can't Come Off the Track

Steel Roller Bearings—Easy to Push and Pull

Fig. 1793



Radius of this Curve not less than 30 inches

## PRICE LIST—One Set of 3 in a Carton

No. 25, Myers Adjustable Tandem Door Hanger, complete with bolts. Per set of 3, \$3.00

Myers O. K. Steel Track, in 4, 6 and 8 ft. lengths. Per foot . . . . .11



# HAY CARRIERS THE MYERS O. K. HAY UNLOADER. (Patented)

**For Rope or Cable Draft**  
**HAS EXTRA LONG TRUCK**  
Reversible and Swivel  
**For Double Steel Track**  
Has Seven Inch Sheaves.



Fig. 1652

The Myers O. K. Unloader with extra long truck and seven-inch sheaves for cable draft rope is especially designed for heavy work. The long truck distributes the load on the track and adapts the car for using two forks or slings.

The bearings on all rope sheaves are 1 7-16th diameter, hard turned steel.

## Price List, Represented by Fig. 1652

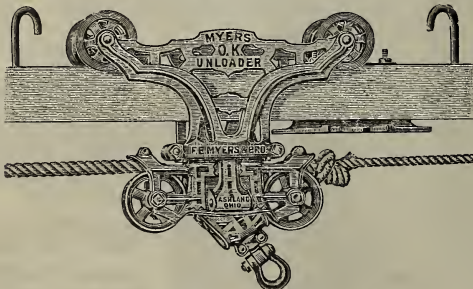
No. 209. Myers O. K. Unloader for Double Steel Track, rope or cable draft, 7-inch sheaves, 1 7-16 in. steel bearings. Net Price, \$11.25

No. 200. Myers O. K. Unloader for double steel track, rope draft, small sheaves, otherwise same as No. 209. Net Price, \$9.85

**Reversible and Swivel. For Wood Track**  
**HAS SEVEN-EIGHTH INCH TURNED**

**STEEL AXLES**

Fig. 1547



The Myers O. K. Unloader is our latest and best production. Has extra long and heavy truck, distributing the load on track and designed for heavy work, such as slings or two forks.

We guarantee this machine to be stronger than any other carrier made.

## Price List Represented by Fig. 1547

No. 205. Myers O. K. Unloader for Wood Track, rope draft. Net Price, \$9.85

All Prices Subject to Change Without Notice

No. 212. Myers O. K. Unloader for wood track, rope draft. Same as No. 205 and in addition has 7-inch rope sheaves. Net Price, \$11.25

## MYERS CLOVER LEAF UNLOADERS For Double Steel Track

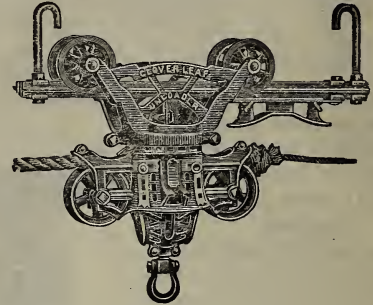


Fig. 1031

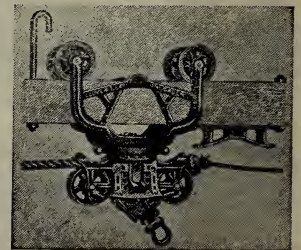
Figure 1031 represents the new Clover Leaf Unloader made of malleable iron throughout. Is heavy and substantially made. Is fitted with wide, open mouth to receive the fork pulley when approaching in any direction. Also has swinging fork pulley which relieves the carrier from all strain when drawing hay over a high beam or into a well-filled mow. The track wheels revolve on 3/8-inch turned steel axles. The rope sheaves have longer hub than any other make of carrier. The lock is composed of three parts, and has no springs. The locking device grasps the fork pulley on either side, and permits it to swing free.

No. 114. Net Price, each ..... \$9.85

## For Wood Track

Fig. 1032

**Has Swinging Fork Pulley—a Great Advantage in Drawing Hay into a Mow When Filled Near the Roof.**



The above illustration represents the Clover Leaf Unloader as made for wood track. This carrier is fitted with a wide, open mouth to receive the fork pulley. The rope sheaves and track wheels are all fitted with large turned bearings. The machine is both Swivel and reversible—combined in one machine. By this device the machine can be reversed by reversing the swivel or by drawing the rope through from end to end.

No. 120. Net Price, each ..... \$9.85



# HAY CARRIER OUTFITS

## Special Notice

When requesting quotations do not fail to give exact length of barn, whether ridge or full rafter, and distance between rafters. Also state whether you expect to hoist from end or center of barn.

## Estimates For Hay Carrier Outfits

Estimate of material required for a Steel Track Outfit for different length barns:

For a 40-foot barn, One Carrier, 36 ft. Track, 12 Hanger Hooks, 12 Rafter Brackets, 1 Harpoon, or Grapple Fork, 2 Pulleys, 3 Floor Hooks, 160 feet  $\frac{3}{4}$ -in. Manila Rope, 55 feet  $\frac{3}{8}$ -in. Check Rope, 1 Rope Hitch.

For a 50-foot barn, One Carrier, 48 ft. track, 20 Hanger Hooks, 20 Rafter Brackets, 1 Harpoon or Grapple Fork, 3 Pulleys, 3 Floor Hooks, 160 feet  $\frac{3}{4}$ -in. Manila Rope, 55 ft.  $\frac{3}{8}$  in. Check Rope, 1 Rope Hitch.

For a 60-foot barn, One Carrier, 54 ft. Track, 20 Hanger Hooks, 20 Rafter Brackets, 1 Harpoon or Grapple Fork, 3 Pulleys, 3 Floor Hooks, 185 feet  $\frac{3}{4}$ -in. Manila Rope, 65 feet  $\frac{3}{8}$ -in. Check Rope, 1 Rope Hitch.

Above estimates of Rope are for an End Hoist. In hoisting from center of barn, less Rope will be necessary.

## Manila Rope

Diameter	Circumference	Strength in lbs.	Feet to lbs.	Diameter	Circumference	Strength in lbs.	Feet to lbs.
$\frac{1}{4}$	$\frac{3}{4}$	450	43	$\frac{3}{4}$ in.	2 $\frac{1}{4}$	3,900	6
5-16	1	750	30	$\frac{7}{8}$ in.	2 $\frac{3}{4}$	5,600	4
$\frac{3}{8}$	1 $\frac{1}{4}$	950	24	1 in.	3	6,750	3
7-16	1 $\frac{1}{4}$	1,200	19	1 $\frac{1}{8}$ in.	3 $\frac{1}{2}$	9,150	2 $\frac{1}{2}$
$\frac{1}{2}$	1 $\frac{1}{2}$	1,700	13	1 $\frac{1}{4}$ in.	3 $\frac{3}{4}$	10,600	2
$\frac{5}{8}$	2	3,000	7 $\frac{1}{2}$				

## Pulleys



No. 1124



No. 1267



No. 1120



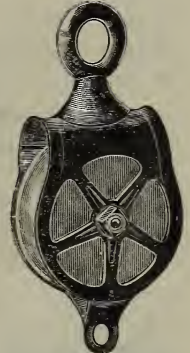
No. 1133



No. 692



No. 466



No. 486



No. 1701

- Price each
- No. 1133. Plain Pulley, 6-inch maple sheave malleable frame .....\$0.55
  - No. 692. Cast Frame 5  $\frac{1}{2}$  inch iron sheaves.. .45
  - No. 486. Floor Pulley with large loose pin.. .60
  - No. 1267. Cast frame, plain, 6-inch maple sheave, 1-inch hollow axle ..... .45
  - No. 1120. Malleable frame knot passing, 6-inch maple sheave, 1-inch axle ..... .70
  - No. 1701. Malleable Pulley. Malleable frame and sheave, steel axle, roller bearing..... 1.60
  - No. 466. O. K. wood pulley with steel yoke, 1-inch hollow axle ..... .55
  - No. 1124. Special Malleable Frame, extra heavy 1.60

All Prices Subject to  
Change Without Notice

## Cross Floor Pulley

Malleable throughout, has idler pulley to keep rope in place, and stands erect on floor.

Price on Application



No. 628

Snatch Block Pulleys—

Price, each, \$1.25

Useful in limited space, horse only travels half distance.



### Myers Patent Double Steel Track

Price per foot .....\$0.30

### Grapple Fork

4 tined .....\$12.00

6 tined ..... 13.85



### Double Harpoon Hay Fork

Price each

25 inch .....\$2.60

31 inch ..... 3.20

Alfalfa ..... 5.85



### Wood Track Hanger Hooks Per Doz.

10 inch .....\$1.40

12 inch ..... 1.55

14 inch ..... 1.70

16 inch ..... 1.80

18 inch ..... 2.00



### Jointed Hanger Hooks

12 inch .....Price per doz., \$2.85

### Ridge Pole Hooks

¾ inch .....Price per doz., \$1.25



### Steel Track Hanger Hooks

Price per dozen .....\$2.00

### Jointed Steel Track Hanger Hooks

Price per dozen, \$2.85

Knockers, Stops, Wheels and complete line of Repairs for Myers Clover Leaf Unloaders.



### Rafter Brackets

Price per dozen .....\$0.90



### Swivel Rope Hitch

Each .....\$0.40



### Steel Grapple

Each ..... \$0.90



### Floor Hooks

Price per Dozen

¾-inch ..... \$2.00

### Drive Screws

Per gross .....\$0.75

## THE COLONIAL PAINT

The Colonial Paint is a Pure Linseed Oil Paint, that has been on the market for many years, and is considered one of the leading brands.

The materials composing this product carefully treated as they are, make a paint of great toughness and elasticity

that has excellent covering capacity and durability.

As the choicest coloring ingredients are used in making this product the richest coloring tone and finest finish is developed, and the building to which it is applied presents a beauty of appearance which distinguishes it from others in the locality.

The Colonial Paint is manufactured in forty different shades, from which beautiful color combinations can be made, that will not only harmonize with the architectural design of any building, but also with the surroundings, thereby making the property much more attractive, and also increasing its value.

The Colonial Paint can be sold with perfect assurance that it will meet the demand of every user.

All Prices Subject to Change Without Notice

### Colonial Wagon and Implement Paint

For farm wagons, machinery and implements.

Dries with a high, durable gloss.

It is money well spent to protect implements from rust and decay.

### Colonial Floor and Deck Paint "Made to Walk On"

Excels in lustre, toughness and elasticity. Dries hard over night.

Manufactured in fifteen colors—Brown, Dust, Yellow, Gray, Lead, Light Drab, Red, Drab, Spruce, Green, Terra Cotta, Stone, Maple Red, Maroon, Pearl Gray.

**Amalgam Paint**—A preservative coating for wood, metal and other exterior surfaces.

**Automobile, Carriage Paint**—For painting and varnishing all kinds of vehicles in one operation.

**Colonial Bath Enamel**—For use on the tile, metal, wood or other surfaces in the bath-room or about the bath-tub.

**Colonial Quality Colors in Oil**—Manufactured from purest and strongest pigments that can be obtained.





## Vel-ve-ta

The Sanitary Washable Wall Finish



Vel-ve-ta is manufactured under a patented formula—contains no lead or other poisonous pigments, and although applied to the surface like an oil paint, when dry it is non-absorbent, can be washed with soap and water, and is therefore sanitary.

It dries with a beautiful soft and velvety finish, which is pleasing and restful to the eye.

It will not turn yellow, craze or peel. It will not show laps, streaks or brush marks.

Vel-ve-ta is recommended for interior decoration in homes and public buildings, and in factories. It is equally adapted for this use because it effuses light.

**Dry Colors**—High grade in every respect.

**Colonial Screen Paint**—For coating wire screens. Will not clog.

**Chalco Paint and Varnish Remover**—For removing paint or varnish.

**Transparent Colored Varnishes**

Gold and Aluminum

Solid Enamel Colors

There is a color provided for every requirement of the housewife who wishes to keep her floors, furniture, woodwork, etc., in spic and span condition. There is also Jap-a-Lac Floor and Interior Varnish (Natural) which is the most durable floor varnish on the market. Jap-a-Lac is for use on window screens, screen doors, iron fences, radiators, registers, water pipes, automobiles, wagons, in addition to the most common uses such as in floors, furniture and woodwork.

## GLIDDEN GREEN LABEL VARNISHES

The name "Glidden" on a label is an absolute guarantee of high quality. Nearly fifty years of experience in the manufacture of varnishes and specialties for all purposes together with the most modern facilities, insures uniform quality at all times and goods that can be depended upon to give perfect satisfaction. Any person purchasing goods under the Glidden Green Label Brand can feel assured that he is receiving full value. There is a brand made for practically every purpose and at prices which fit any pocket-book. Send for price list.

## GLIDDEN ENDURANCE WOOD STAINS

Superior to oil or spirit stains and do not raise the grain. Glidden's Endurance Wood Stains are for use on new wood which has never been finished. This line is made of fourteen attractive colors. Their beauty and practicability lie in the fact that an even stain is produced, thus insuring a beautiful lasting finish. The stains produce the beautiful Mission effect, so much in vogue at the present time, and are also for use when securing a waxed or varnished finish. Color Cards and Price Lists on Application.

## INTERNATIONAL ELASTIC CARBON PAINT

A practical, scientific blending and grinding of oils and pigments making a paint of enduring elasticity for shingle, felt, canvas, paper, asphalt, tin and iron roofs, bridges, machinery, tanks, iron or steel buildings, smoke stacks, boilers, burners, brick, tile, concrete, farming tools, wagons, also the hulls and bottoms of vessels and boats.

### Our International Elastic Carbon Paint

Combines extreme usefulness and economy, because it is thoroughly elastic. Used on roofs or iron work, it lasts longer than any other for the reason that the paint expands and contracts in keeping with the surface on which it is placed.

This paint is not only elastic in the highest degree, but it has a very heavy body which fills all holes and cracks, making the surface perfectly water-tight. It cannot peel, crack or blister.

In fact, it is the ideal paint for the purpose for which it is made.

Price: 1 Gallon ..... .60 Larger Quantities on application.

All Prices Subject to Change Without Notice

## Bronzite

The Permanent Green Paint

Made from an ore base, Kolonite, which gives it stability of color.

Bronzite is recommended for the painting of store fronts, doors, blinds, structural and ornamental work, fences, and in fact all outside surfaces generally where a green paint is desired.

Bronzite is impervious to chemical action, atmospheric conditions, resists heat and is non-corrosive.

Bronzite is a specialty green, the green that is different—it lasts, wears and holds its color and covers more surface than other greens.

Bronzite is put up in six shades, in paste form in 12½ and 25 pound pails, also in liquid form.

**Eagle White Enamel**—For interior decoration of woodwork, etc.

**Whitney & Griffin Barn Red**—For painting barns, fences, etc.

**White Lead**—Short, fine, and of exceptional whiteness.

Comprises three individual lines of household finishes under one trademark name, "Jap-a-Lac."

# JAP-A-LAC



# HISCO OILS

## **HISCO Medium Auto Oil**

This is a motor oil of medium body universally adapted for general automobile use, will give good compression and wearing qualities, and is free from carbon.

## **HISCO Heavy Auto Oil**

This oil is of heavy body, superior for cars or trucks which have been in use for some time, and will greatly increase the compression and effective work of the engine. This oil is a fine lubricator and economical in use.

## **HISCO Light Auto Oil**

This oil is a motor oil, light in body, for new cars and for all motors having tight compression, and will be entirely satisfactory to customers desiring an oil light in body for motor use.

## **HISCO Ford Special Oil**

This is the Model T Ford Oil especially adapted for the Ford car, and as indicated by its name will give fine results, good wearing qualities, freedom from carbon, and is for oil what the name "Ford" indicates for a car.

## **Monarch Truck Oil**

This is an Underhay Oil adapted for truck use, medium in body, will stand a low cold test, give good compression, and is of great wearing qualities, adapted for the rugged and hard work experienced by a truck.

## **HISCO Dark Steam Cylinder Oil**

This is a steam cylinder oil for stationary and portable steam engine use, from the best refined stock, compounded to meet steam conditions, and is in every way guaranteed satisfactory for general steam use.

## **Excellene Medium Auto Oil**

This is also an Underhay Special and cannot be too highly recommended by us. It is from Appalachian crude, carefully filtered, with high wearing qualities, low cold test, and once used customer will have no other quality.

## **HISCO Light Separator Oil**

This oil is for cream separator use, and is very light in body to meet the conditions of a separator.

## **HISCO Red Engine Oil**

This is a lubricating oil of good body, free from gum or sediment, of proper quality to lubricate general engine or shafting bearings, mowing machines and all other farming tools.

## **HISCO Chase Tractor Oil**

This is a tractor oil especially manufactured for general tractor use, and is eminently adapted for the Chase or other tractor engines. This oil has a high flash and fire test necessary for the rugged work of a tractor, and will hold its body well under the extreme heat of operation. It is universally used for tractor lubrication.

## **HISCO Paraffine Oil**

This is an amber oil light in body, especially for use in laying dust on floors, very light lubrication, or for any other use where an oil of light body and low price is needed.

## **Cup Grease**

This is a superior yellow Cup Grease, medium in consistency, for use in cups on the engine, spring ends, and elsewhere about the automobile and truck, also for any engine room use where a grease is needed in a compression cup.

## **Monarch Gear Compound**

This is a product carefully refined and manufactured according to government specification for use in the transmission and differential gears of automobiles and trucks. It is a good lubricator and will not deteriorate in use like a yellow transmission grease. It is very adhesive and will not give the usual trouble in running through the shaft ends. Once tried, always used.



## MYERS LINE OF PUMPS

We carry the most complete line of Pumps in this section. We have it whether you want it for house, barn or orchard. House pumps, well pumps, for all conditions including spraying pumps and pumps for pneumatic water systems, whether hand or power. If it's a Myers it is right.

### The Myers Long Stroke Cog Gear Brass Cylinder Pitcher Pump

Price List Represented by Fig. 1665



Fig. 1665

No. R 220. 3 Inch brass cylinder cog gear pitcher pump, with patent glass valve seat, tapped for 1 1/4 inch suction pipe.

Net Price \$7.00

No. R 222. 3 1/2 Inch brass cylinder cog gear pitcher pump, with patent glass valve seat, tapped for 1 1/2 inch suction pipe.

Net Price \$8.50

### The Myers Cog Gear Pitcher Pump Fitted With Brass Valve Seat

Price List Represented by Figure 1675

No. R416. 3 Inch polished iron cylinder, tapped for 1 1/4 inch suction pipe. Net Price \$4.25



Fig. 1675

### The Myers Cog Gear House Lift Pump with Siphon Spout and Glass Valve Seat

Price List Represented by Fig. 1663 and Fig. 1473

No. R 245. Fig. 1663. 3 In. brass cylinder, tapped for 1 1/4 in. suction pipe. Net Price... \$8.00

No. R 247. Fig. 1663. 3 1/2 Inch brass cylinder, tapped for 1 1/2 inch suction pipe. Net Price \$9.50

No. R S 245. Fig. 1473. 3 Inch brass lined cylinder, tapped for 1 1/4 inch suction pipe, 4 ft. set length. Net Price ....\$10.75

No. R S 247. Fig. 1473. 3 1/2 Inch brass lined cylinder, tapped for 1 1/2 inch suction pipe, 4 foot set length. Net Price ....\$12.25

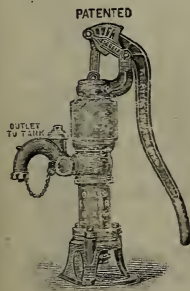


Fig. 1663

### The Myers Cog Gear House Force Pump with Siphon Spout and Glass Valve Seat

No. R 251. Fig. 1663. Force pump, 3 inch brass cylinder, tapped for 1 1/4 inch suction pipe.

Net Price \$11.25

No. R 253. Fig. 1663. Force pump, 3 1/2 inch brass cylinder, tapped for 1 1/2 inch suction pipe.

Net Price \$12.75

Cock Spout as on Fig. 1664 on either of the above pumps. Add to Net Price .....\$1.25

No. R S 251. Fig. 1473. Force pump 3 inch brass lined cylinder, tapped for 1 1/4 inch pipe, 4 ft. set length. Net Price \$12.25

No. R S 253. Fig. 1473. Force pump 3 1/2 in. brass lined cylinder, tapped for 1 1/2 in. pipe, 4 ft. set length. Net Price \$13.50

Cock Spout on either of above pumps, add to Net Price \$1.25

### Myers Brass, Brass Lined and Polished Iron Cylinders

Fig. 976. Myers Brass Lined Cylinders are constructed with an outer shell of cast iron, in which is placed a heavy seamless drawn brass tube, ends of which are swaged out by our patent roller process to fit bevel on outer shell. They are fitted with our single or double leather plunger, and are guaranteed to give satisfaction.



Fig. 976 Fig. 215

Fig. 215. Myers Brass Cylinders, with Glass Valve Seat, capped outside, are especially adapted for drilled wells of small diameter. They are made of the best quality seamless drawn brass, have our special brass sand plunger, and are first class throughout.

Fig. 577

Brass Cylinder Sectional View



### Drive Well Points

No. 86—1 1/4 in. x 12-3 ft.

Net Price \$1.65

No. 98—1 1/4 in. x 3 ft. Net Price \$2.85

No. 136—1 1/2 in. x 2 ft. Net Price \$2.50

No. 144—1 1/2 in. x 3 ft. Net Price \$3.75



All Prices Subject to Change Without Notice



Fig. 1138



Fig. 792



Fig. 1170

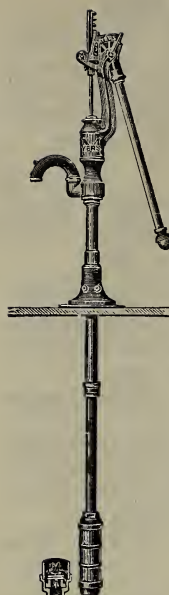


Fig. 1108



Fig. 1160



Fig. 1109

### Myers Adjustable Base Lift Pump

Fig. 792—No. 124. 3 In. polished iron cylinder, with iron seat tapped for  $1\frac{1}{4}$  inch suction pipe.

Net Price \$9.50

Fig. 792—No. 125.  $3\frac{1}{2}$  Inch polished Iron cylinder, with iron seat, tapped for  $1\frac{1}{2}$  inch suction pipe.

Net Price \$11.00

### Myers Cog Gear Lift Pumps

Fig. 1108—No. R152—3 In. brass lined cylinder, with glass seat, tapped for  $1\frac{1}{4}$  in. suction pipe.

Net Price \$12.50

Fig. 1108—No. R154— $3\frac{1}{2}$  In. brass lined cylinder, with glass seat, tapped for  $1\frac{1}{2}$  in. suction pipe.

Net Price \$14.25

### Myers Cog Gear Stock Lift Pump

Fig. 1170—No. R104. 4 In. brass lined cylinder with glass seat, tapped for 2 in. suction pipe.

Net Price \$22.50

### Myers Cog Gear Branch Pipe Double Acting Force Pumps

Fig. 1160—No. R4. Has a  $2\frac{1}{2}$  inch brass lined lower cylinder, with glass valve seat, tapped for  $1\frac{1}{4}$  inch suction pipe . . . . . Net Price \$21.00

Fig. 1160—No. R14. Has a 3 inch brass lined lower cylinder, with glass valve seat, tapped for  $1\frac{1}{4}$  inch suction pipe . . . . . Net Price \$21.00

Fig. 1160—No. R16. Has a  $3\frac{1}{2}$  inch brass lined lower cylinder with glass valve seat, tapped for  $1\frac{1}{2}$  inch suction pipe . . . . . Net Price \$22.50

### Myers Cog Gear Combination Shallow or Deep Well Force Pumps

Fig. 1109—No. R184. Has a  $2\frac{1}{2}$  inch brass lined lower cylinder with latest improved glass valve seat. The brass upper cylinder is  $4\frac{1}{2}$  feet below the platform tapped for  $1\frac{1}{4}$  inch pipe. . . . . Net Price \$21.00

Fig. 1109—No. R186. Has a 3 inch brass lined lower cylinder with latest improved glass valve seat. The brass upper cylinder is  $4\frac{1}{2}$  feet below the platform, tapped for  $1\frac{1}{4}$  inch pipe. . . . . Net Price \$21.00

Fig. 1109—No. R188. Has a  $3\frac{1}{2}$  inch brass lined lower cylinder with latest improved glass valve seat. The brass upper cylinder is  $4\frac{1}{2}$  feet below the platform, tapped for  $1\frac{1}{2}$  inch pipe. . . . . Net Price \$22.50

### Myers Cog Gear Single Acting Force Pumps

Fig. 1138—No. R172. 3 Inch brass lined cylinder, glass valve seat, tapped for  $1\frac{1}{4}$  inch suction pipe.

Net Price \$14.25

Fig. 1138—No. R174.  $3\frac{1}{2}$  Inch brass lined cylinder, glass valve seat, tapped for  $1\frac{1}{2}$  inch suction pipe.

Net Price \$15.75

All Prices Subject to Change Without Notice





Fig. 1159



Fig. 406



Fig. 1765

### Myers Cog Gear Branch Pipe—Three-Way Single Acting Force Pumps

Fig. 1159—No. R227. With brass plunger tube without lower cylinder, tapped for  $1\frac{1}{4}$  in. pipe.

Net Price, \$18.00

Fig. 1159—No. R228. With brass plunger tube with 3x14 in. brass lower cylinder, tapped for  $1\frac{1}{4}$  in. pipe.

Net Price, \$26.50

### Myers Imperial Cog Gear Single Acting Windmill Force Pump

Fig 1765—No. R236A.  $1\frac{1}{4}$  In. three-way, brass plunger tube, 3x14 in. brass lower cylinder.

Net Price, \$31.00

### Myers Windmill Regulator Force Pumps

Fig. 406—No. 243. Fitted with  $1\frac{1}{2}$  in. 3-way 3x14 brass lower cylinder and plunger tube.

Net Price, \$43.50

### Myers Windmill and Tank Pumps

Fig. 695—No. 159. 2 In. brass cylinder brass seat, tapped for  $1\frac{1}{2}$  in. pipe, suction and discharge. Net Price, \$22.50

Fig. 695—No. 160.  $2\frac{1}{2}$  In. brass cylinder glass valve seat, tapped for  $1\frac{1}{2}$  in. pipe, suction and discharge.

Net Price, \$22.50

Fig. 695—No. 161. 3 In. brass cylinder, glass valve seat, tapped for  $1\frac{1}{2}$  in. pipe, suction and discharge.

Net Price, \$23.75



Fig. 695

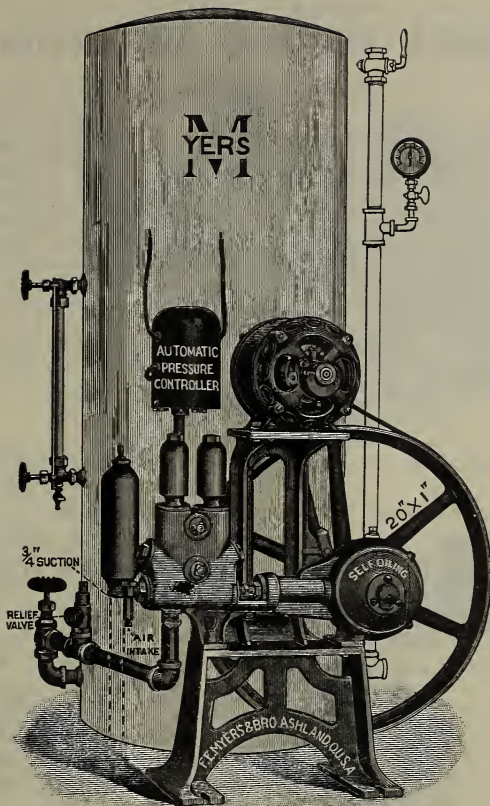


Fig. 1815

Fig. 1815. Myers Electric House Pump complete as shown for Pressure Tank water systems. Descriptive matter and prices on application.

### Myers Cog Gear Low Down Force Tank Pumps

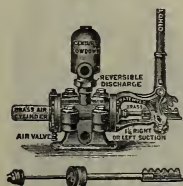


Fig. 1374

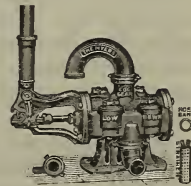


Fig. 1287

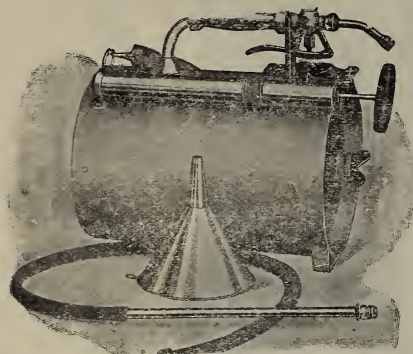
Fig. 1374—No. R286A. Hydro Pneumatic Century low down, 3 in. brass lined cylinder, tapped for  $1\frac{1}{4}$  inch pipe ..... Net Price, \$15.75

Fig. 1287—No. R470. Fitted with hose nipple, hose attachment, hose band and strainer.

Net Price, \$15.75

Prices Subject to Change Without Notice

## SPRAY PUMPS LOWELL COMPRESSED AIR SPRAYER



Lowell Compressed Air Sprayer

No. 110—Galvanized with hose, brass pipe and nozzle.

Net Price, \$6.75

No. 111—Brass, with hose, brass pipe and nozzle.

Net Price, \$10.35

### Kant Klog Sprayer

The tank of this sprayer is made of heavy polished brass or galvanized steel as ordered. Top and bottom are seamed very strongly to sides, under heavy pressure, making very strong construction. With galvanized steel body, brass air pump, hose, escape valve, "Kant Klog" Nozzle, spring shut-off and carrier strap.

Net Price, \$6.75

With polished brass body and same attachments as above. Net Price, \$9.75



Kant Klog Sprayer

### Brown's Auto Sprayer

A practical machine for applying Bordeaux and all solutions to Potatoes, Tobacco and Small Fruits, Poultry Houses, etc.

Brass Extension Pipes, Torches and different nozzles furnished as extras if wanted. No. 1A Brass auto spray with stop cock nozzle. Net Price

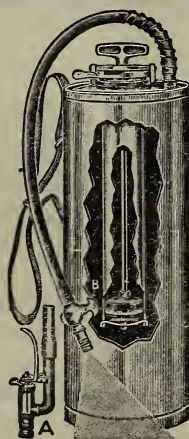
\$9.50

No. 1B Brass auto spray with auto pop nozzle. Net Price

\$10.00

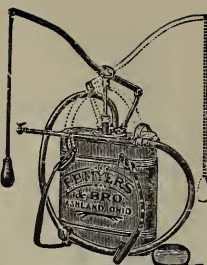
No. 1D Galvanized auto spray with auto pop nozzle.

Net Price, \$7.25 Brown's Auto Sprayer



Prices Subject to Change Without Notice

Does not require constant pumping. Has an automatic thumb lever valve. Most practical For Orchard, Field and Garden Work.



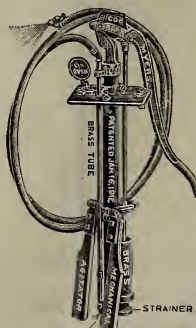
Myers Knapsack Spray Pumps  
Fig. 547—No. 330, Galvanized Tank . . . . . Net Price, \$14.00

Fig. 1358

### Myers Whitewash and Spray Outfit

Fig. 1358—No. 329, Myers Whitewash, Cold Water Painting machine and general purpose sprayer complete as illustrated.

Net Price, \$15.50



PAT JET AGITATOR  
Fig. 1521

### Myers Cog Gear Barrel Spray Pump

Fig. 1521—No. R318 Myers Cog Gear Spray Pump only, with both jet and mechanical agitator, but without hose or nozzle. Net Price, \$14.75

Fig. 1521—No. R318B complete with one lead of 15 ft. of ½ in. 5 ply hose, graduating Vermorel Nozzle, both jet and mechanical agitator.

Net Price, \$19.75

### Myers Steel Barrel Cart

Fig. 898. All steel Barrel Cart attached to barrel, has 36 in. steel wheels with 1¼ inch tire. Any Myers Barrel Spraying Pump can be used with it.

Steel Cart Only, ready to attach to barrel.

Net Price, \$17.00

### Myers O. K. Cog Gear Spray Pump

Price List Represented by Fig. 1542

No. R308 Myers O K Spray Pump without barrel or hose.

Net Price, \$25.50

R308B Outfit with one lead 15 feet of 7 ply ½ in. discharge hose and one Fembro (Fig. 1290) nozzle.

Net Price, \$32.00

R308C Outfit with two leads of 15 ft. 7 ply ½ in. hose and two Fembro (Fig. 1290) nozzles. Net Price

\$38.00

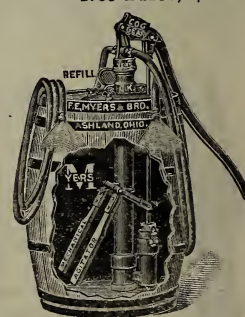
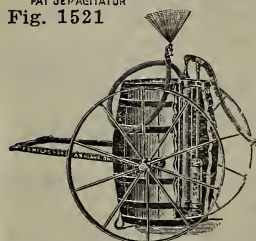


Fig. 1542

Represents No. R308C Barrel not included.





### Myers Potato Sprayer

The most practical potato sprayer ever put on the market; it can be attached to any wagon, is very simple in construction and durable, nothing about it to get out of order.

This sprayer is fitted throughout with brass connections and high pressure rubber hose, the liquid not coming in contact with the iron pipe in any way.

Fig. 1105, 4-row spray attachment complete less pump and barrel ..... Net Price \$17.50

Fig. 1582, Myers 3-row Potato Sprayer, complete less pump and barrel (Not illustrated). Net Price \$25.50

### Myers Perfect Double Acting Spray Pump

Has Brass Upper and Brass Lined Lower Cylinders, all Brass Plunger, Brass Check Valve, Brass Valve Seat, 1 inch Suction Pipe, Strainer, fitted with Canvas Packed Plunger and will handle hot or cold mixture.



Fig. 653.

No. 310, represented by Fig. 653. Perfect Barrel Spray Pump with Strainer, 1 in. suction pipe and mechanical agitator.

Net Price \$18.00

No. 311B, Perfect Barrel Spray Pump, complete with suction pipe, strainer, 15 ft. of  $\frac{1}{2}$  in. 5 ply discharge hose, graduated Vermorel nozzle and mechanical agitator.

Net Price \$22.50



Fig. 1518

No. 312C, Perfect Barrel Spray Pump, complete with suction pipe, strainer, two leads of discharge hose each 15 ft. long, two graduated Vermorel nozzles and mechanical agitator..... Net Price, \$27.00  
Price List, Represented by Fig. 1518

No. R316B Pump complete, 50 gallon barrel mounted on skids, with pressure gauge, one 15 ft. lead of  $\frac{1}{2}$  in. 7 ply discharge hose, one Fembro Fig. 1290 nozzle, one 8 ft. pipe extension with lever shut off and mechanical agitator..... Net Price, \$56.25

No. R316 C, Pump complete, 50 gallon barrel mounted on skids, with pressure gauge, two 15 ft. leads of  $\frac{1}{2}$  inch 7 ply discharge hose, two Fembro Fig. 1290 nozzles, two 8 foot pipe extensions with lever shut off and mechanical agitator..... Net Price, \$63.00

### Myers Handy Portable Sprayers

Fig. 1614—

No. R336B

with cog gear pump. Mechanical agitator, 15 feet of  $\frac{1}{2}$  in. hose, 8 ft. pipe extension in two 4 ft. parts and Vermorel Nozzle. Tank is made of heavy galvanized iron, 12  $\frac{1}{2}$  gallon capacity. A general utility outfit suitable for spraying trees, whitewashing, painting, etc.

Fig. 1614



Net Price, \$35.00

### Myers Cog Gear Spray Pumps, Double Acting

Price List, Represented by Fig. 1571

No. R317B. Pump complete with 100 gallon tank and mechanical agitator, mounted on skids, with pressure gauge, one 15 foot lead of  $\frac{1}{2}$  inch 7 ply discharge hose, one Fembro Fig. 1290 nozzle, one 8 foot pipe extension with lever shut off.

Net Price, \$77.75

No. R317C, Pump complete with 100 gallon tank and mechanical agitator, mounted on

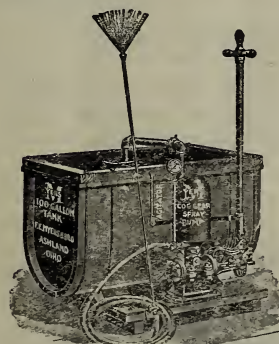


Fig 1571

skids, with pressure gauge, two 15 foot leads of  $\frac{1}{2}$  in. 7 ply discharge hose, two Fembro Fig. 1290 nozzles, two 8 foot pipe extensions with lever shut off.

Net Price, \$84.50

Prices Subject to Change Without Notice

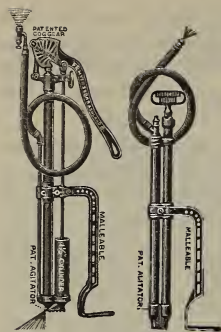


Fig. 1726 Fig. 639

## Myers Bucket Spray Pump

Fig. 639—No. 327½. Little Giant Brass Spray Pump with agitator, complete with hose and Imperial combination, fine, coarse spray and solid stream nozzle with adjustable malleable foot rest.

Net Price \$5.50

Fig. 1726—No. R324. Myers Lever Spray Pump, with agitator complete with hose and graduating Vermorel and solid stream nozzle.

Net Price \$8.50

## MYERS POWER SPRAY OUTFITS

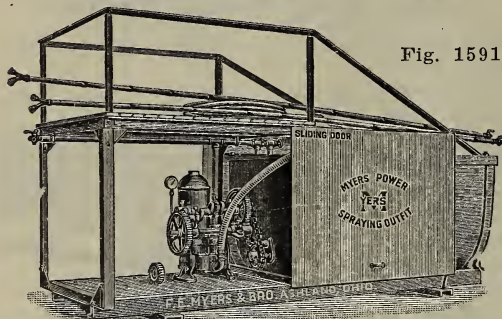


Fig. 1591

Fig. 1591 Myers Senior Power Spray Outfit complete less engine as shown with 200 gallon tank, No. 446—2½ inch Duplex Pump, with pinion for crank-shaft of engine. No 1..... Net Price, \$275.00

### Equipped as Follows:

- 1 50 foot lead of ¾ inch best grade high pressure discharge hose.
- 1 10 foot lead of ¾ inch best grade high pressure discharge hose, 10 feet wire bound suction hose.
- 2 10 feet Bamboo Pipe Extensions complete with lever shut off.
- 4 Fembro Nozzles—(2 45-degrees, 2 straightway.)
- 2 Fig. 1560 Y's.

Rotary Agitator. Cut-offs for discharge lines. Relief Valve. Pressure Gauge and Strainer. All assembled ready for use, except the engine.

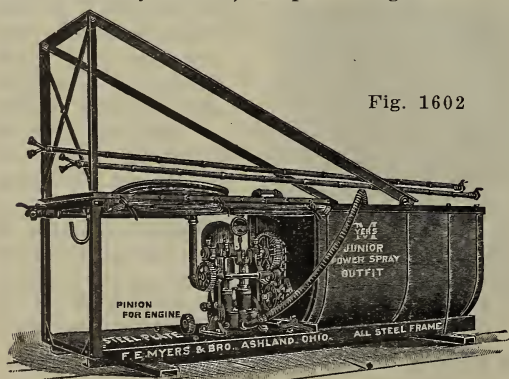


Fig. 1602

Fig. 1602—Myers Junior Power Spray Outfit, complete less engine as shown, with 100 gallon tank. No. 436—2 inch Duplex Pump with pinion for crank-shaft of engine. This outfit has curtains instead of sliding doors. No. 10.. Net Price \$208.50

### Equipped as Follows:

- 1 100 Gallon cypress tank.
- 6 Feet 1 inch suction hose.
- 50 Feet ¾ inch discharge hose with fittings for 2 leads.
- 4 Fembro Nozzles—(2 straight-away and 2 45-degrees.)
- 2 Fig. 1560 Y's.
- 2 8 Foot Bamboo Pipe Extensions. Rotary Agitator, Pressure Gauge, Relief Valve, Double Cut Off and Strainer. All assembled ready for use, except the engine.

## Myers Special Power Spray Outfit

Fitted with 2 inch Horizontal Double Acting Force Pump.

Complete Except Engine.

Belt Driven.

100 Gallon Tank.

Price List, Represented by Fig. 1686

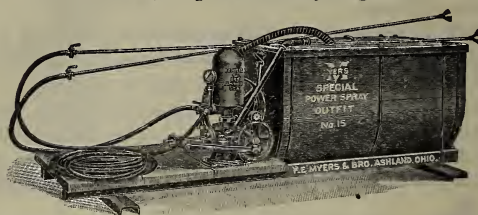


Fig. 1686

No. 15, Myers Special Power Spray Outfit, belt driven, equipped with 50 ft. ¾ in. discharge hose with fittings for two leads, two Fembro Nozzles straight away, two Fembro Nozzles 45 degree, two Fig. 1560 Y's, two 8 ft. iron pipe extension, semi-rotary agitator, pressure gauge, relief valve, double cut-off, strainer and suction hose. Net Price, \$138.50

## MYERS POWER PUMPS Myers Bulldozer Power Pumps

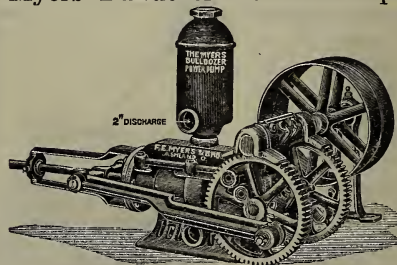


Fig. 959

Fig. 959—No. 362. With 3 inch brass lined cylinder, 5, 7½ and 10 in. stroke, 16x4 in. pulleys. Capacity 24 gallons per minute. Should be run 20 to 40 revolutions per minute, 2 in. suction and discharge.

Net Price \$103.75

Prices Subject to Change Without Notice



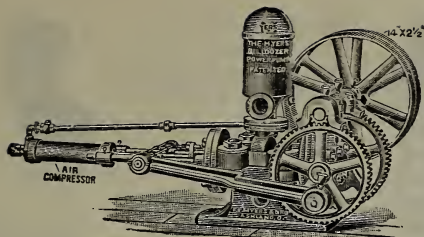


Fig. 1319

Fig. 1319—No. 502A with a 3x5 brass lined cylinder, 14x2 1/2 inch, tight and loose pulleys, suction 1 1/2 in. Discharge 1 1/4 inch. 2x5 in. air compressor.

Net Price, \$106.50

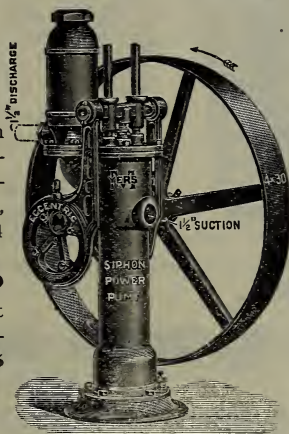
## Myers Siphon Power Pumps

Fig. 1226—No. 373, with 2 1/2 brass cylinder, suction and discharge, tapped for 1 1/2 in. pipe, Has 30x4 in. pulleys, 4 in. direct stroke.

Net Price, \$63.00

No. 374 same as 373, but with a 3 in. brass cylinder. Price, \$65.25

Fig. 1226



## Myers Vertical Power Hydro-Pneumatic Pump

Fig. 1637 The special advantage of this style pump over an independent Air Compressor is that it admits just enough air at all times to keep Pressure Tank in proper working condition, whereas—when separate Air Compressor is used—it is often overlooked until Tank becomes water-logged.

The air can be admitted or cut out by tightening or loosening the air cap.

Capacity 360 gallons

No. 378A—For Shallow Wells.....Net Price \$58.25

No. 379A—For Deep Wells.....Net Price \$67.50

## Myers Power Spray Gun



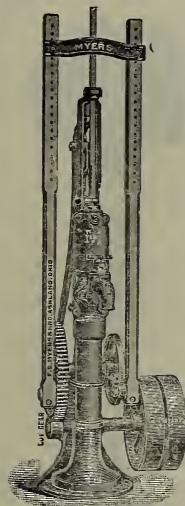
Fig. 1824

Utilizes the entire capacity of any Power Spray Pump and does away with all Bamboo Extensions, Nozzles and fittings. All working parts on the outside. Not subject to corrosion. Net Price, \$10.15

Prices Subject to Change Without Notice



Fig. 1684



## Myers Pump Jacks

Fig. 1684—No. 426. Master Double Gear Pump Jack. Back geared, 6 to 1. Pulleys 3x12 in. Extra wide, 13 in. between the gear wheels. Net Price \$19.75

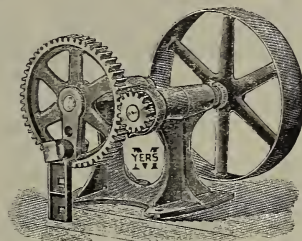


Fig. 1668

Fig. 1668—No. 400. Junior, with 36 in. wood rod and handle connections.

Net Price \$15.75

Fig. 514—No. 350, Direct or Back

Geared Counter-shaft, 12x3 1/2 in. tight and loose pulleys.

Net Price \$21.00

Fig. 1605—

No. 366. Back geared 6 to 1, 12 inch tight and loose pulleys.

Net Price, \$14.25

Fig. 1605

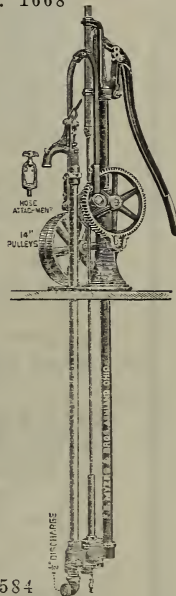


Fig. 1584

## Myers Imperial Working Head

Fig. 1584—No. 389, Myers Imperial Working Head with machine cut gear and 14 in. pulleys, as shown in Fig. 1584.....Net Price \$42.75

## CUCUMBER WOOD PUMPS

The very best of material is used in our wood pumps.

### Net Prices

8 ft. Plain .....	\$10.00
10 ft. Plain .....	11.50
6 ft. Porcelain Lined .....	10.50
7 ft. Porcelain Lined .....	11.25
8 ft. Porcelain Lined .....	12.00
10 ft. Porcelain Lined .....	13.50
12 ft. Porcelain Lined .....	15.00
14 ft. Porcelain Lined .....	16.50
Tubing per ft .....	.32

All repairs for Wood Pumps carried in stock.

Wood Pump Prices are Net. No Discount.

## SPRAY PUMP NOZZLES AND FITTINGS



Fig. 480

Fig. 1559. Represents the popular Fembro 45 degree Nozzle, is fitted with a removable steel disk in the cap.

Net Price, \$1.20  
Straight Fembro Nozzle.

Net Price, \$1.10

Fig. 100. Represents the Non-Clog Atomic Nozzle; it has the capacity of four ordinary nozzles. It positively cannot clog as it is fitted with a removable wire screen through which all solution passes. Adjustable from a fine wide spray to a solid stream by simply moving the disk in the nozzle. Aluminum, Net Price

\$1.15

Fig. 1317. Power Nozzle with Self Cleaner.

Net Price, \$1.80

Fig. 1564. Graduated Vermorel Nozzle. Net Price, \$1.20

Fig. 1019. Regular Bordeaux Nozzle.

Net Price, \$1.50

**Myers Pipe Extensions**  
Fig. 480. 8 ft. pipe extension, with couplings.

Net Price, \$0.75

Fig. 1534. 8 ft. pipe extension with stop cock.

Net Price, \$1.50

Fig. 1535. 8 ft. pipe extension, with lever shut-off cock. Net Price, \$1.70



Fig. 1317

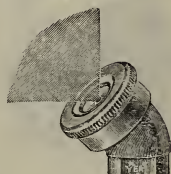


Fig. 1559



Fig. 100



Fig. 1564



Fig. 1019



Fig. 772



Fig. 1560



Fig. 642



Fig. 101

Fig. 772. Hose Redu, 3/4 in. hose 1/4 inch pipe.

Net Price, .40

Fig. 1560. Brass Y for two nozzles 1/4 inch pipe.

Net Price, .85

Fig. 1380. 45 Degree Bend, 1/4 in. pipe thread.

Net Price, .55

Fig. 1381. 45 Degree Double Bend, 1/4 in. pipe. Net Price, .85



Fig. 549



Fig. 1091

bamboo extension, lever shut off cock. Net Price, \$5.15



Fig. 1536

No. 1536. 10 ft. bamboo extension, with lever shut off cock ..... Net Price, \$5.35

Fig. 1536. 12 ft. bamboo extension, with lever shut off cock ..... Net Price, \$5.65

Above Prices do not include Nozzles.

### Spray Hose

15 Foot Lengths of 1/2 inch 5 ply Hose with couplings. Price, \$4.25

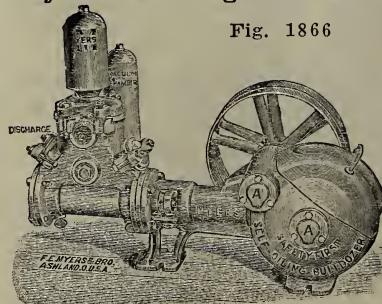
25 Foot Lengths of 1/2 inch 5 ply Hose with couplings. Price, \$7.00

15 Foot Lengths of 1/2 inch 7 ply Hose with couplings. Price, \$5.15

25 Foot Lengths of 1/2 inch 7 ply Hose with couplings. Price, \$8.50

### Myers Self-Oiling Bulldozer Power Pump

Fig. 1866



No. 613, 3x4, brass lined cylinder, 14x2 1/2 in. tight and loose pulleys, suction and discharge 1 1/2 in. Net Price

\$90.00

All Prices Subject to Change Without Notice





*A Red Head Spark Plug for Every Make of Car*



**"The Kind with the VITRISTONE Insulator"**



Big Boy  
1/2 inch



Big Boy  
1/2" - 1/2" Ext.



Ford  
Long Body  
1/2 inch



Big Boy  
7/8"-18  
(S.A.E.)



Big Boy  
7/8"-18  
1/2" Ext.  
(Buick)

## RED HEAD "BIG BOY" PLUGS

An ideal plug for all motors particularly hard on spark plugs, where extremes of heat, compression and vibration are encountered, having an extra large Vitristone insulator, heat treated steel shell and a big steel bushing with wide gripping surfaces.

Standard package: Each "Big Boy" Plug packed in a heavy paper carton, weight about 6 oz. 10 "Big Boy" Plugs packed in a lithographed paper carton, weight about 4 1/2 lbs.

1/2" Standard, 1/2" - 1/2" Extension  
and Metric . . . . . \$1.25

7/8", 7/8" - 1/2" Extension

## RED HEAD SPARK PLUGS FOR FORD CARS

The Ford requires a spark plug especially designed to suit the engine. The Red Head long body plug for Ford was specially designed by a Ford Engineer. This plug

has an extension above the threads, which makes it possible to readily get at the plug with an open end wrench. Has Vitristone Insulator.

Long Body for Ford . . . . . \$ .75

**RED HEAD SPARK PLUGS AND McGRAW TIRES—THE IDEAL COMBINATION**

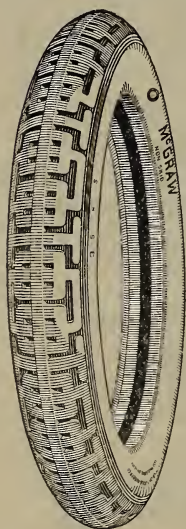
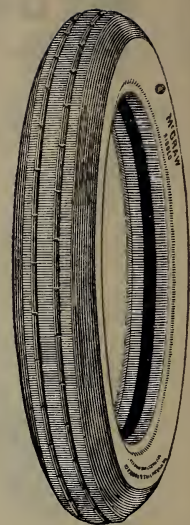
Prices Subject to Change Without Notice

# McGRAW FABRIC and CORD TIRES

When you buy tires you want dependable service, not phenomenal mileage once in a while, but four good tires out of four. You do not want to bargain for mileage by adjustments, you want Assured Service. McGraw Tires constructed of high grade material and structurally right, because of the Duplex Method, afford freedom from uncertainty and permit you to feel as confident of your tires as of your motor. They deliver the full mileage expected and yield only to Accident and Abuse.

## The Duplex Method and What It Does

If mileage depended solely upon material, every high grade tire would deliver six, eight or even ten thousand miles. Mileage comes from right materials and proper Construction. The Duplex Method is the McGraw process of vulcanization which prevents fabric buckles and mould pinches, the menace of tire life. Compression of the tire in the vulcanizing mould is deferred until the rubber becomes heated and plastic. Then when hydraulic pressure is applied to vulcanize the tire, the rubber is not stiff enough to pull out of place. Fabric layers set smooth, no creases form, pinches and buckles are avoided. The tire is a perfect structure.



## Tubes

The same careful construction and high grade materials which make McGraw tires second to none are found in McGraw Tubes. Both the Red and Gray brands are thick, tough, and non-deteriorating, and are carefully vulcanized to preclude the possibility of pin holes or slow leaks. Both are carefully packed in cartons and reach the consumer in perfect condition. For the motorist seeking the right tire equipment we recommend McGraw Tires and Tubes, confident that they will give satisfaction in every respect.

## Guarantee

McGraw fabric tires are guaranteed for 6,000 miles, cords for 8,000, against mechanical and material imperfections. Any McGraw tire failing to render the guaranteed mileage under normal conditions will be promptly adjusted on basis of obtained mileage, when returned to us transportation charges prepaid.

## Dealers

In a National advertising campaign the public is being told of McGraw Tires and Tubes, of their quality, construction, and exceptional performance. Motorists are going to want them, they are going to look for the McGraw Dealer. Do you want these new customers? If you do, if you are interested in increasing YOUR profits, in obtaining NEW business which will be permanent, write us for the McGraw proposition. NOW.

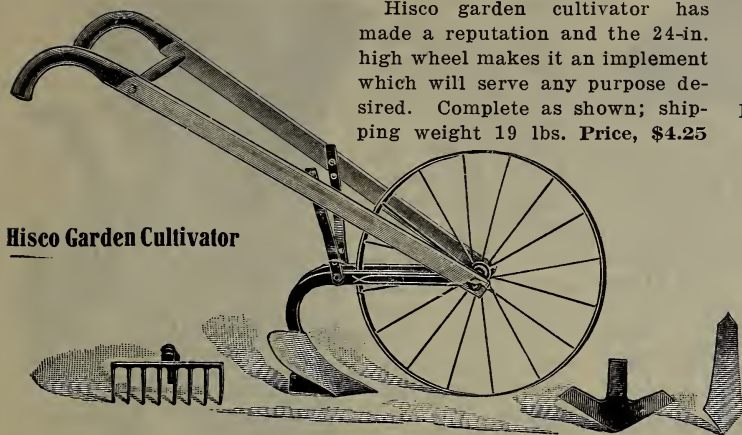
SIZE	Fabric Ribbed	Fabric Non-Skid	Cord Ribbed	Cord Non-Skid	Red Tubes	Grey Tubes
28 x 3	15.20	16.00	.....	.....	3.50	2.75
30 x 3	15.65	16.45	.....	.....	3.60	2.85
30 x 3½	20.75	21.85	26.50	28.50	4.30	3.50
31 x 4	31.40	33.10	.....	.....	5.40	4.80
32 x 3½	24.15	25.45	35.20	37.80	4.65	3.90
32 x 4	32.50	34.20	44.65	48.95	5.60	4.95
33 x 4	34.00	35.80	45.85	49.30	5.70	5.05
34 x 4	35.50	37.35	47.20	50.65	5.85	5.15
32 x 4½	42.75	45.00	50.40	54.05	7.10	6.00
33 x 4½	44.25	46.60	51.65	55.50	7.25	6.25
34 x 4½	46.15	48.60	53.10	57.00	7.40	6.35
35 x 4½	48.10	50.65	54.30	58.45	7.50	6.45
36 x 4½	49.20	51.75	55.60	59.75	7.60	6.55
33 x 5	.....	.....	63.00	67.50	8.00	7.00
35 x 5	57.50	60.55	66.00	70.80	8.90	7.80
37 x 5	60.70	63.90	69.00	74.05	9.50	8.25
36 x 6	.....	.....	99.45	99.45	14.50	13.50



## GARDEN CULTIVATORS AND SEEDERS

### Hisco Garden Cultivator

Hisco garden cultivator has made a reputation and the 24-in. high wheel makes it an implement which will serve any purpose desired. Complete as shown; shipping weight 19 lbs. Price, \$4.25



**Hisco Garden Cultivator**

No. 306 Combination Garden Tool  
Four Tools in one

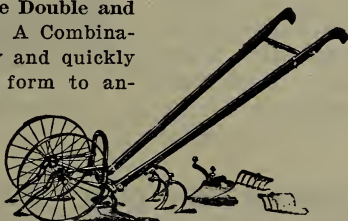
Hill Seeder—Drill Seeder  
Double Wheel Hoe—Single Wheel Hoe



### Iron Age

No. 301. Double and Single Wheel Hoe

No. 301. Iron Age Double and Single Wheel Hoe. A Combination which is easily and quickly changed from one form to another. This feature alone makes the tool doubly valuable. When the plants are young, the double wheel hoe should



No. 301

be used astride the row and the single wheel hoe for working between the rows, after the plants have grown too high to be worked properly any other way. Complete with all tools as shown. Shipping weight, 40 lbs. Price, \$12.00

No. 306. Iron-Age Combined Hill and Drill Seeder, Double and Single Wheel Hoe.

Combination tools should be used for two reasons. They save in first cost and they take less room. Gardeners have found this to be true of the No. 306. Of course most market gardeners prefer to have separate tools always ready to do each separate piece of work—drills, wheel hoes, wheel plows, etc. The home gardener who has enough ground to warrant it, will find the No. 306 very convenient. Complete with all tools as shown; shipping weight, 57 lbs.....Price, \$22.00



### Dustbane

The very best of all sweeping compounds on the market. No sand to increase its weight. It is a perfect Dust Killer. Every Storekeeper as well as every housewife should have a supply on hand and use it at every sweeping. A handful at a time when you sweep absorbs the dust, brightens the floor and cleans your carpet.

Prices: Large can, .30; 50-lb. can, \$2.00; 100-lb. barrel, \$4.00; 150-lb. barrel, \$5.75; 200-lb. barrel, \$7.50.

All Prices Subject to Change Without Notice

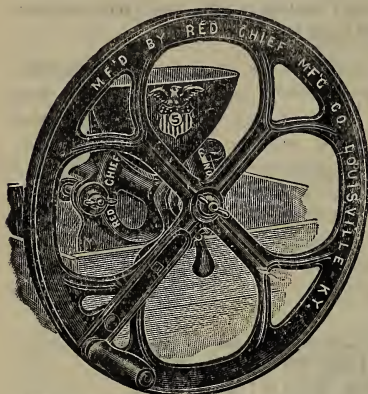


### Steel Road Scrapers

They are shaped cold from a single piece of steel lapped and riveted at the corners. They are uniform in thickness throughout except at the corners, where they are of double thickness.

- |  |         |
|--|---------|
| No. 1. Capacity 7 cubic feet of earth, weight 105 lbs. |         |
| Price .....  | \$13.00 |
| No. 2. Capacity 5 cubic feet of earth, weight 95 lbs.  |         |
| Price .....  | 12.00   |
| No. 3. Capacity 3 cubic feet of earth, weight 85 lbs.  |         |
| Price .....  | 11.00   |

### "Red Chief" Rapid Grinding Feed and Grist Mill No. 5

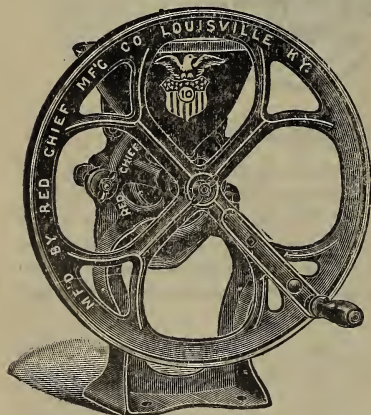


With fly wheel. Has same capacity as No. 10. A perfect Hand Power Grinding Mill. The Fly Wheel makes the Mill run steady and with the least possible power to turn it. With the crank extended, there is no mill that will run as easy. Feed Gauge and

New Fine Grinding Burr in this mill. Price, \$5.75

### "Red Chief" Rapid Grinding Feed and Grist Mill No. 10

Capacity, 2 to 4 bushels per Hour



Equipped with extra hardened burrs.

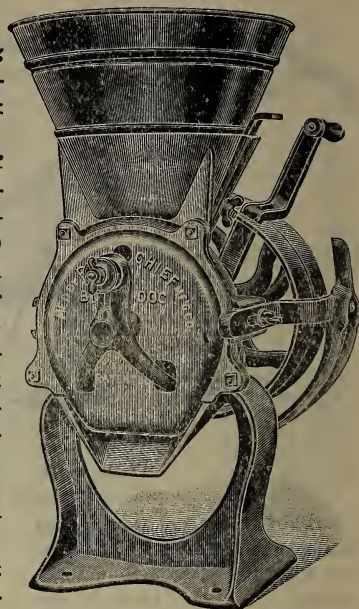
Grinds Coffee, Chicken Feed and Cracks Peas, etc. Will make good Corn Meal and Graham Flour. Can be cleaned and adjusted in a moment's time without the use of a wrench.

Price, \$7.00

### "Red Chief" Power Mill No. 20

For grinding corn meal, graham flour, stock feed, etc.

With a speed of 300 to 450 revolutions per minute, will grind 10 to 20 bushels feed per hour. Power required, 1½ to 2 horse power engine. Hand Crank for use when engine is not running. Tight and loose pulley, 10 inches in diameter, 2¼-inch face. Reversible belt shift. Feed Regulator.

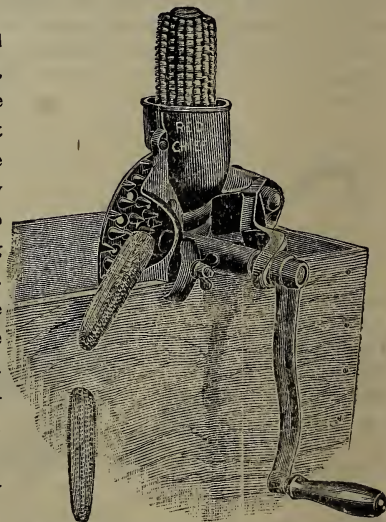


Price with Stand, \$27.50

### Improved "Red Chief" Hand Corn Sheller

Is Guaranteed to do as Good, if not Better Work, than any other Sheller on the Market.

Has patent oval shaped teeth, shelling the corn without cracking the grains. Only sheller safe to use for shelling seed corn. Throws the cobs outside every time. Clamps on barrel or box. Closed hopper, making it impossible to pinch hands.



**Red Chief Hand Corn Sheller**  
Requires no wrench. Tension directly on cob, not on hopper, which makes sheller run very easy, no force being required to expand a hopper. Price, \$3.00

All Prices Subject to Change Without Notice



## The Spreader with the Beater on the Axle

### All Driving Parts on the Rear Axle

No Clutches      No Chains  
No Adjustments  
Easy to Load      Light Draft  
Roller Bearings

This Spreader represents the very latest improvements in manure spreaders and is simple to operate. Apron absolutely cannot race. Steel and malleable construction. Load divided on all four wheels, reducing draft.

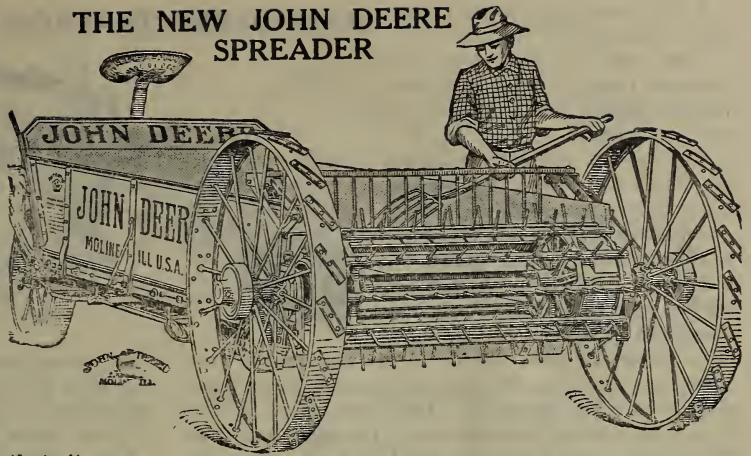
The John Deere Spreader is all that its name implies. It is mechanically right. The materials used are the best to be had. It does its work better and with greater ease than any other spreader on the market.

What the user appreciates most, however, is the simplicity of its construction, the ease with which it is loaded, the light draft and the fine quality of work it does under all conditions.

If interested in a Spreader do not fail to send for our free, colored booklet, fully describing the John Deere.

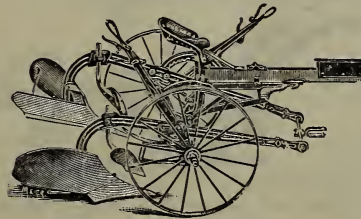
We handle a complete line of Myers Spray Pumps, Power Spray Outfits and Fittings. When in need of spray goods, ask us for prices and special literature.

## THE NEW JOHN DEERE SPREADER



## THE SYRACUSE REVERSIBLE SULKY PLOW

### For Hillside or Level Land



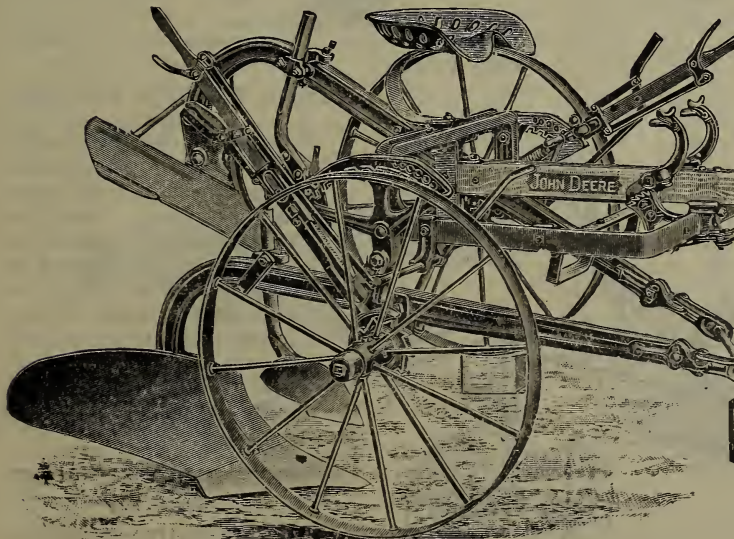
For a great many years the Syracuse plows have been among the most popular in New England and their work easily gains them that distinction.

These plows are equipped with

Hardened Steel Mouldboard. Steel Landslide and Chilled Frog and Share. Furnished with either two or three-horse equipment.

## NEW JOHN DEERE TWO WAY SULKY PLOW

With the Auto Foot Device



New John Deere Two Way Sulky Plow

The John Deere Sulky Plow represents the highest type of material and workmanship that is possible to procure. The entire frame and beams are constructed entirely of high carbon steel, hence are very strong and durable.

The new style foot landing device is the most satisfactory ever used and by its use and the horselift operated by foot power, the plow can be operated very easily.

Extra wide and long steel frame. Track wider than the ordinary plow, making it run steadier and less liable to overturn.

Sizes	Cuts
1342S-1442S	{ 3 to 8 in. deep
Medium size	{ 12 to 16 in. wide
1341S-1441S	{ 4 to 9 in. deep
Large size	{ 14 to 18 in. wide

Fitted with either Jointers, Hanging Cutters or Fin Cutters. Two or Three-Horse Eveners.

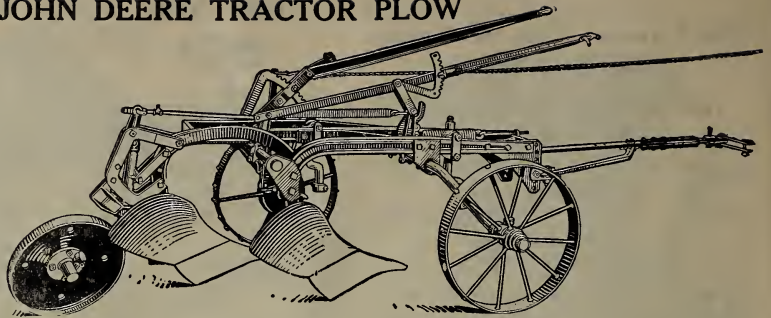


Note these John Deere Tractor Plow features:

They can be used with any standard tractor—hitch and depth control levers are adjustable to suit the tractor.

The bottom is the heart of the plow—all the rest of the plow is built merely to enable the bottom to do its work. The right kind of a plow bottom makes money for the owner. It lays the foundation for the right kind of seed bed. The crop yield is increased. The plow lasts longer and pulls lighter—a saving in actual cost, power and trouble. The bottom on every John Deere plow is correctly designed. John Deere plow success is due to bottom construction. An easy, high and level, power-lift, a pull on the trip rope, raises the plow; another pull and the plows enter the ground.

## JOHN DEERE TRACTOR PLOW



The tractor does all the lifting, and the rear end of the plow lifts high as well as the front. There is no gathering of trash when turning.

John Deere tractor plows can be backed—a stiff hitch is employed. There is perfect control when pulling, turning or backing.

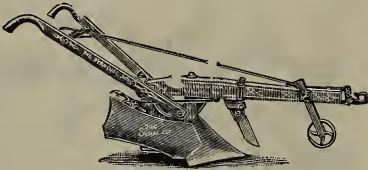
## SYRACUSE WALKING PLOWS

### Syracuse Diamond Swivel Plow

This type of Side Hill Plow has always been very popular in New England, being light, but still having great strength and good turning qualities.

Easy shifting clevis and also automatic shifting Coulters except on small size.

Furnished in three sizes: Small-horse, Two-horse and Large Two-horse.



### Syracuse Combination Walking Plows

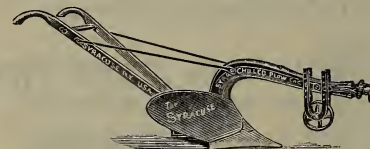
This particular pattern is one of the best suited for conditions in this territory.

Fitted with hardened Steel Mouldboard, Steel Landslide and Chilled Share. No. 32 Medium Two-horse, No. 31 Large Two-horse.



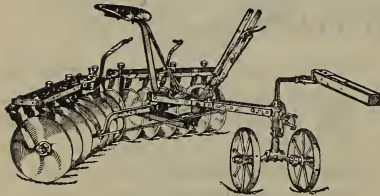
### Syracuse Contractors Plow

Hard iron wearing parts. Extra heavy Beam, Share and Strip Steel Wheel Frame. Loop



Handle wear Irons. An excellent Plow for general grading purposes.

### The Deere Model K Harrow



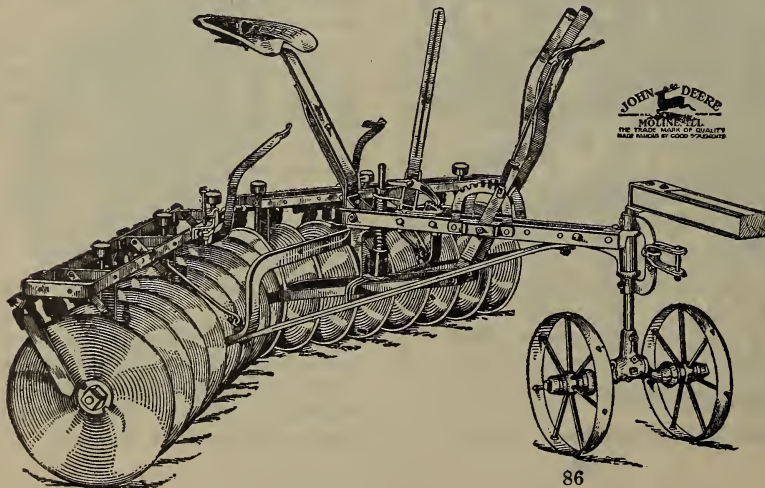
Model K  
with  
Tongue Truck

### Deere Model B Disc Harrow

A Really Flexible Disc Harrow

Only Harrow manufactured having third lever giving spring pressure on gangs. High steel frame, oscillating scrapers with lock off device. Gangs work independent of each other. Oil tubes extending to top of frame. Furnished with 16, 18 or 20 in. discs, either plain or cutaway.

The User of a Deere Disc Harrow is always a Satisfied Customer.



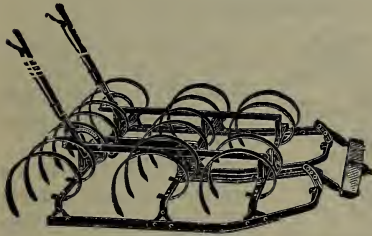
Send for  
full descriptive catalogue  
and prices



One working of the DEERE DOUBLE ACTION HARROW accomplishes more thorough pulverization of the soil than two separate operations because with this harrow the second working takes place immediately after the first and the partially broken-up soil does not have time to dry out and is, therefore, more finely pulverized by the action of the second section of the harrow. We recommend using plain discs on the front section and cutaway discs on the rear section and by their throwing in opposite directions the greatest efficiency in a harrow will be obtained. The front section can be used alone any time desired.

Special Circulars and prices on application.

### Spring Tooth Harrows Construction



Frame bars of angle steel are thoroughly protected by steel shoes, doubling the life of the harrow. Frame bars are raised at the rear ends

to give free outlet to trash.

Tooth bars of channel steel journaled in malleable brackets above the frame, which give the teeth high and great range of adjustment for depth of cultivation and clearance.

15 Tooth .....	\$24.00
17 Tooth .....	26.00
10 Tooth, one horse, top handles .....	17.00
10 Tooth, one horse, less handles .....	15.50

### Combination Wood and Steel Frame Spring Tooth Harrow



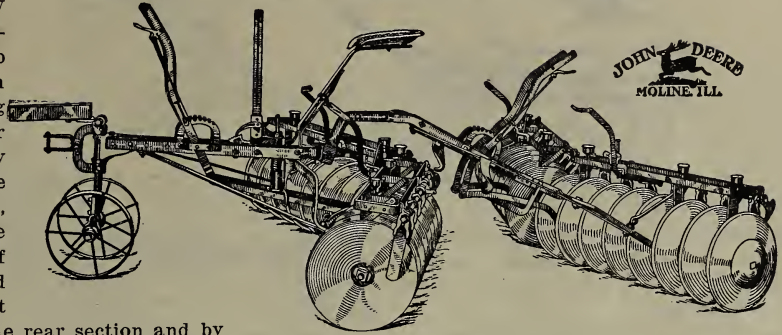
The Combination Harrow has a wood and steel frame combined, which makes it much more durable than an all-wood frame harrow.

It is the most durable and satisfactory non-lever spring tooth harrow on the market.

16 Tooth .....	\$16.00
18 Tooth .....	18.00

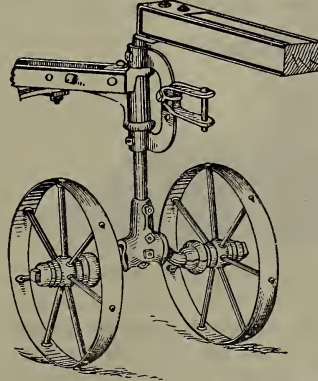
All Prices Subject to Market Changes

## DEERE DOUBLE ACTION DISC HARROW



JOHN DEERE  
MOLINE, ILL.

### Deere No. 7 Combination Tongue Truck For Steel Stub Disc Harrow



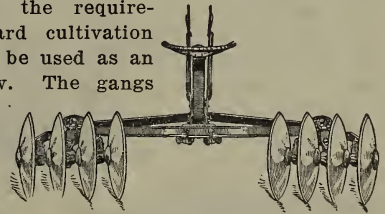
The New Deere Combination Truck and Fore Carriage illustrated herewith will fully meet the requirements of all disc harrow users. It is simple, strong and compact in construction. The wheels are solid steel with wide oval tires and with closed bearing boxes. By simply changing

tongue iron can be changed from two to three horse hitch.

Can also furnish No. 5 Truck for wood stub tongue.

### Deere Model R Orchard Harrow

This harrow is constructed to especially meet the requirements of orchard cultivation and it can also be used as an ordinary harrow. The gangs are reversible for in or out throw and are adjustable in or out on the harrow frame and extension frame.



By use of an extension frame the gangs can be spread to a distance of over ten feet between them. This allows cultivation under overhanging branches. Can be furnished in either 4, 5 or 6 ft. widths. Unexcelled for orchard work.

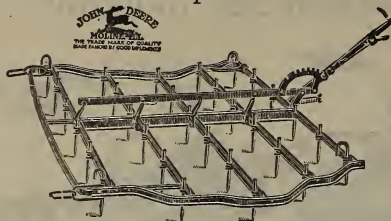
Send for full descriptive catalog and prices.

### Roofing

We carry weather-proof roofing made of Heavy Wove Felt, thoroughly saturated with a natural asphalt saturation, which not only gives it a heavy body, but makes it perfectly water-proof, acid-proof and is unaffected by contraction or expansion. We have this in one, two and three ply in a number of grades.

Samples and prices on application.

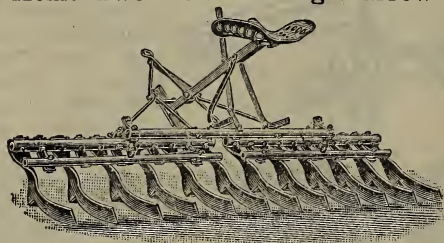
## Deere Universal Spike Tooth Harrow



Made of steel throughout which gives strength without useless weight. The lever allows the teeth to be angled in any desired position and is also provided with a spring trip allowing the teeth to give in stony or rooty ground.

One Section, 30 Teeth, One Horse.....\$12.00  
Two Sections, 60 Teeth, Two Horse ..... 24.00

## Acme Two Horse Riding Harrow



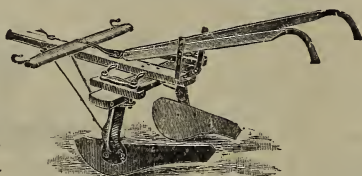
The Acme Standard Two-Horse Riding Harrow has two coulter sections and is flexible. The harrow may be made rigid when desired by braces provided for this purpose. Each section has six coulters, making twelve in all. Width of cut is 6 feet 6 in. Weight, 125 lbs.

Send for Full Descriptive Catalog and Prices.

There has always been a large demand for a Wing Potato Hoe of this type. They are constructed of the best material and are invariably satisfactory to our customers. They are fitted with an adjustable extension on the wings which is a decided advantage.

Can also furnish the well-known Syracuse Potato Hoe.

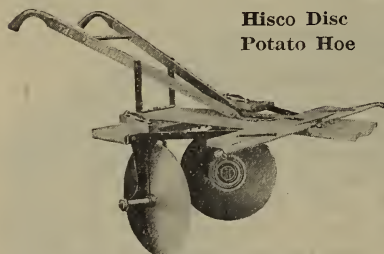
## Hisco Wing Potato Hoe Two-Piece Wings



Price, \$11.00

Syracuse Wing  
Price, \$12.00

## Hisco Disc Potato Hoe



Equipped with 20-inch disc.

A great many persons prefer the disc type of hoe in preference to the wing. Standards are movable on cross-bar to allow spacing of disc.

Price, \$12.00

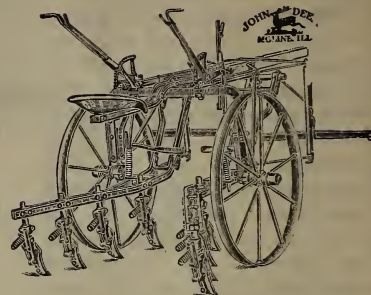
## John Deere Pivot Axle Cultivator

A practical, general purpose Cultivator for Corn, Beans Potatoes and general row crops.

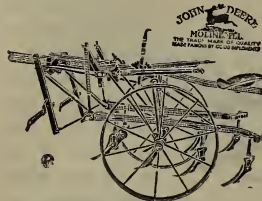
Fitted with either spring trip hoes or spring teeth. Frame has a clearance of 32 in. and an adjustment of 30 to 43 inches in width. Constructed of steel and malleable iron, making great strength and durability.

Special Disc Hilling attachment for potatoes.

Send for special Circulars and prices.



## Deere J. B Cultivator Parallel Guide



The value of any cultivator to the farmer is governed primarily by the good qualities that show in actual use.

The Parallel Guide secures perfect control and thorough cultivation in narrow and crooked rows and on hillsides as well as in straight rows.

The automatic lift relieves the operator of the labor of raising the rigs and balancing the cultivator; enables him to give his entire attention to work requiring judgment and skill. Depth of cultivation is regulated accurately.

Shovels penetrate and scour because they are always in same position to the line of draft.

Hitch is of the pendant type and adjustable. Pull of the team is applied directly to the point of greatest resistance, making light draft.

Can be equipped with Disc Hilling Attachment for potatoes.

## Saves a Man and Team

Operated  
by the man  
on the load.



Operated with  
gasoline  
engine.  
Drum holds  
240 ft. of rope.

## Ireland Hay Hoist

A powerful machine that saves time and labor in storing hay and in other hoisting. Used in connection with harpoon fork or sling. Attach it to your own engine. Safe and easy to operate. Instant control. Pulley to suit your engine. Guaranteed as represented. Write for circular and prices.

IRELAND MACHINE & FOUNDRY CO., Inc.  
22 State Street, Norwich, New York.  
We Manufacture  
Saw and Shingle Mills, Wood and Drag Saw Machines

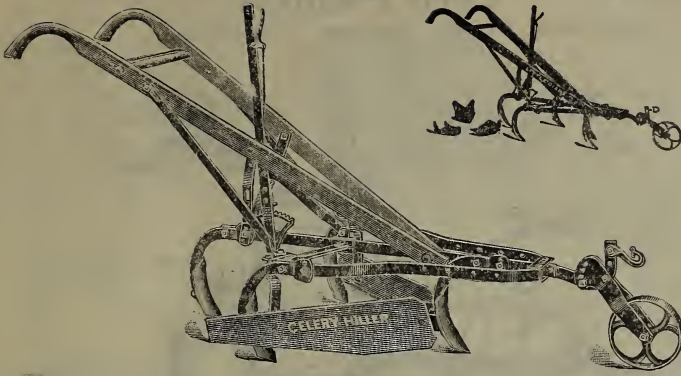
## Styles

Type A, Single  
Drum  
Type C, Single  
Drum with  
Brake  
Type D, Double  
Drum with  
Brake

All Prices Subject to Change Without Notice



## Little Giant Walking Cultivators



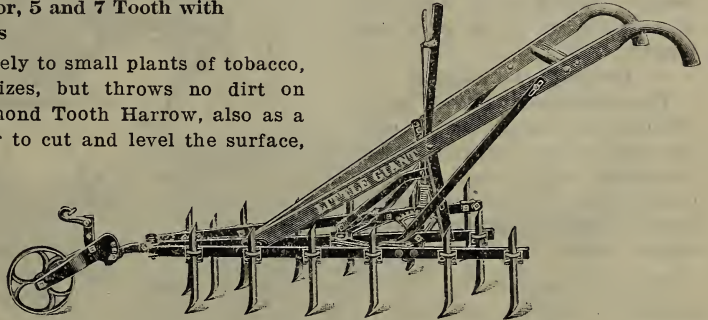
**Little Giant Steel Walking Cultivator, 5 and 7 Tooth with Wood Handles**

This tool is used for working very closely to small plants of tobacco, corn, potatoes, etc. It thoroughly pulverizes, but throws no dirt on plants. It is also used as a Straight Diamond Tooth Harrow, also as a Smoother with sharp points down in order to cut and level the surface, the tooth, with sheared end down, being less liable to injure young plants when smoothing over corn, potatoes, etc. For very close work every other tooth can be quickly removed.

**14 Tooth Little Giant with lever and gauge wheel . . . . . \$8.25**

**5 Tooth Little Giant with lever and gauge wheel . . . . . \$8.00**  
**7 Tooth Little Giant with lever and gauge wheel . . . . . 9.00**  
**Horse hoe attachment for 5 or 7 tooth . . . . . 1.75**

**Celery hiller attachment for 5 or 7 tooth . . . . . 2.50**



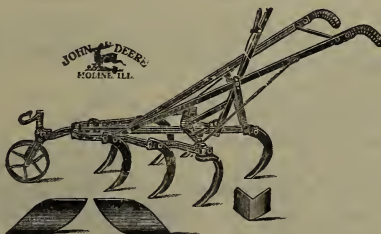
## John Deere Steel Walking Cultivators



**5 Tooth Steel Cultivator**

**No. 306 5 Tooth with lever and gauge wheel . . . \$9.25**  
**Horse Hoe Attachment . . . . . 2.25**  
**Long Hillers Attachment . . . . . 4.50**

Same high-grade construction as the 5 tooth and having two more teeth.



**7 Tooth Steel Cultivator**

**No. 314 7 tooth with lever and gauge wheel . . \$10.75**  
**Horse Hoe Attachment . . . . . 2.25**  
**Long Hiller Attachment . . . . . 4.50**

Because of the steel and malleable construction these Cultivators are very durable and free from breakage. Furnished with Horse Hoes or Long Hillers.

## Deere Steel 14 Tooth Cultivator



**Fitted with steel reversible teeth. No. 320 14 Tooth lever and gauge wheel . . . . . \$8.50**

Seed will not grow in soil that is cloddy, dry and hard—you know that. And there is no sure way of telling whether your soil will be left

Especially adapted for use in corn and small plants. Stirs the dirt thoroughly but does not throw dirt on plant.

## Johnston Steel Land Roller



in that condition this year because of a continued spell of dry weather. Roll down those clods and you will have a seed-bed that will grow your costly seed.

The Johnston Steel Land Roller is recommended by farmers who have discovered the need of a roller. They prefer a steel roller to a wooden one because it is more durable and easy running. The Johnston Roller frame is of angle steel. The axle is of 1 1/2 inch steel shafting and turns in hard maple boxes.

**All Prices Subject to Change Without Notice**

The John Deere No. 999 is the most accurate, and therefore the most desirable corn planter ever designed. Its extreme accuracy is obtained by means of its new and improved drop. That is, the seed cell and cut-off plates are so shaped that the kernels naturally lie on the hopper bottom in the best position to move toward, enter and rapidly fill the cells. The weight of the corn in the hopper assists rather than hinders the filling of the cells. This construction secures the most accurate drop ever put on any corn planter, regardless of whether it is a flat drop or an edge drop planter.

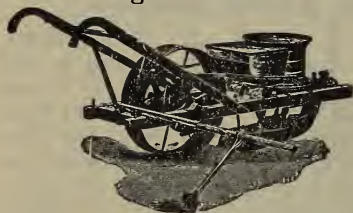
#### Fertilizer Attachment

This attachment is easily put on without changing any of the regular parts of the planter. Easily removable hoppers have increased capacity and are so constructed that fertilizer is kept agitated and cannot bridge.

#### More and Better Corn

We have just issued an attractive, interesting and instructive booklet which more fully describes these planters. This booklet is furnished free upon request.

#### King of the Corn Field Planter



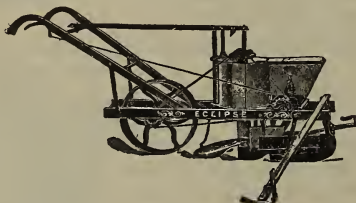
This Corn Planter has been for years one of the leading machines for planting corn, beans, peas, beets and other seeds used throughout this

territory. It is equipped with fertilizer distributor, and is perfectly adapted to all requirements of this section. It can be arranged to drop any desired quantity of seed or fertilizer; can also be used for planting corn and beans at the same time, dropping each kind of seed in rotation.

Price, \$31.00

#### Eclipse Corn and Bean Planter The Original Eclipse

This planter has been sold for over twenty years, thousands of them are in use, and there is great demand for this machine. The fact that the

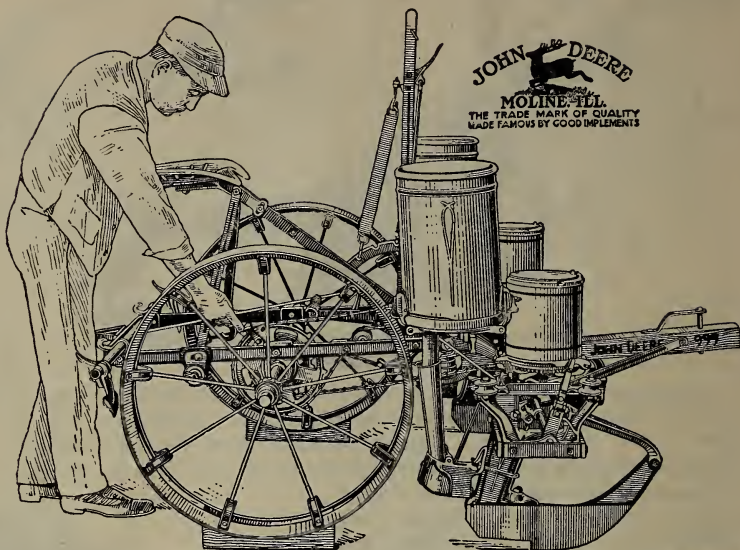


Eclipse is still on the market without being changed is guarantee enough of its efficiency and durability.

Price, \$31.00

## Corn Planters

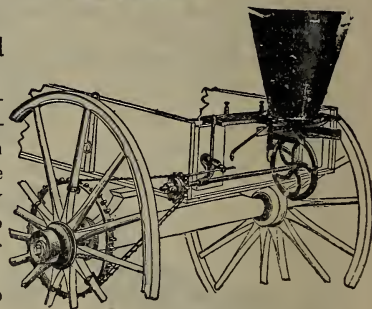
John Deere No. 999 Two-Row Corn Planter



#### Stowbridge Broadcast Seed Sower

It is a simple, effective seeding apparatus complete in itself which may be attached in a few moments' time to any farm wagon or other vehicle.

Price, \$10.00



#### Improved Stone Boat Front

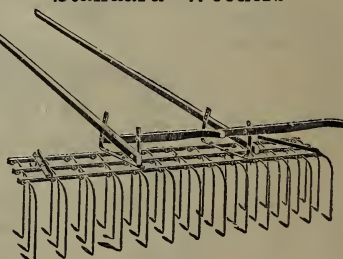


This device enables the farmer to make a stone boat in one

hour's time with ordinary straight plank that he may have on the farm. All tools necessary are saw and bit.

The frame is made of strong angle steel bars giving strength and durability. Teeth are specially constructed and oil tempered and have correct shape to give proper elasticity. Price \$10.00

#### Standard Weeders



All Prices Subject to Change Without Notice



## Cahoon Seed Sower

Will sow all kinds of grass and grain seeds from four to eight acres per hour at a common walking gait. Heavy seeds, such as wheat, it will throw 40 feet (20 feet each side of the operator); lighter seeds, of course, will not be thrown so far.

Price, \$4.00 Postpaid, \$4.15



## Cyclone Seed Sower

This sower is guaranteed to distribute all grass seeds and grains perfectly even and directly to the land. Sows grass seed from 18 to 20 feet and grains a longer distance.

Price, \$2. Postpaid, \$2.15



## Hoover Potato Planter With Fertilizer Attachment

The Hoover Potato Planter is a new addition to the line of potato machinery manufactured by the makers of the well known Hoover Potato Digger. The Hoover Planter is just as well made and will be just as satisfactory to the user as the Hoover Digger has been. The main frame of the Hoover Planter is made of channel steel formed to the proper shape to bolt solid at both ends.

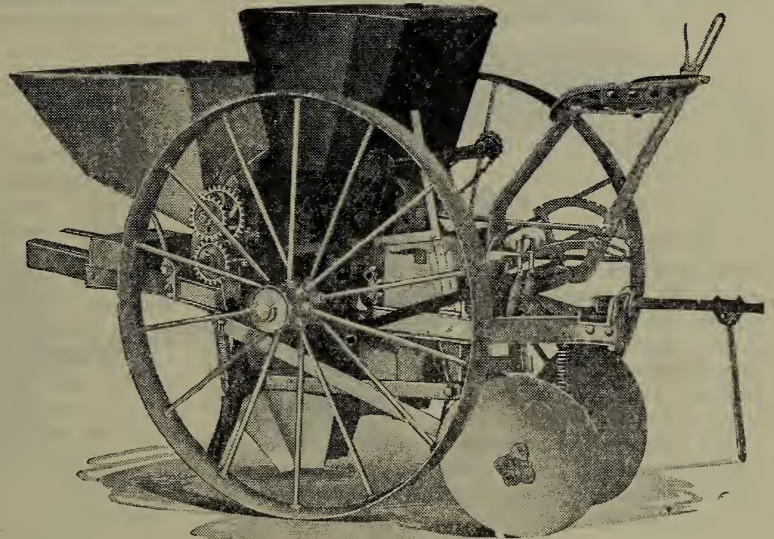
Steel roller bearings on main axle.

Steel wheels 40 inches diameter, 3 1/2 inch tires.

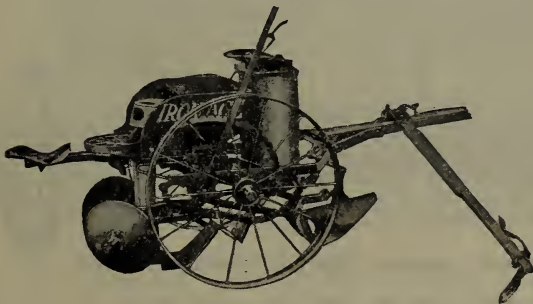
Potato Hopper holds 2 1/2 bu.

All operations of the planter are under the eye of the operator from his seat at the rear.

Equipped with fertilizer attachment. Prices quoted on request.



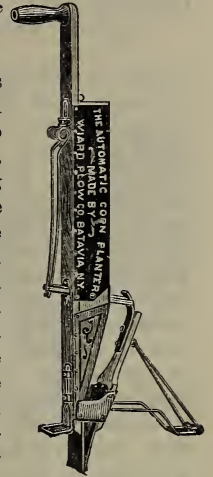
## Improved Robbins' Potato Planter The 100% Potato Planter



## The Automatic Hand Corn Planter

In the Automatic Corn Planter are Combined all the latest and best improvements

yet made in implements of this character. In this planter the seed is delivered from the dropper to the receptacle at the bottom, which, when opened by pressing over on the foot, leaves it at once at the depth required, avoiding the trouble found with all hand planters that deliver the seed direct from the dropper to the soil. It also has a most convenient attachment for regulating the depth of planting; this can be raised or lowered in a moment and insures delivery of seed at precisely the depth required, whether the soil be hard or mellow.



It is results that count in potato culture—the net return in dollars and cents. At the same time there is a lot of satisfaction in a clean field with straight rows and every hill planted. It is the sign of a practical farmer. The right start is half the race and here it is—an automatic

machine planter that places every seed piece exactly as you want it without a miss or a double and without injury. The result is, every hill planted at the right depth, the right distance apart and covered level or ridged. Has a very positive and successful fertilizer attachment that will handle all kinds of commercial fertilizers. Send for Descriptive Booklet and Prices.

All Prices Subject to Market Changes



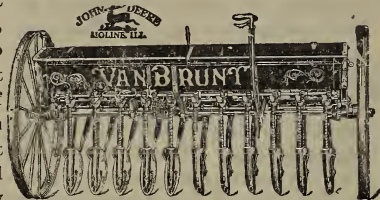
## VAN BRUNT FERTILIZER DISC DRILL

Light Weight    Light Draft    Force Feed  
Spring Pressure    Large Capacity  
Durable

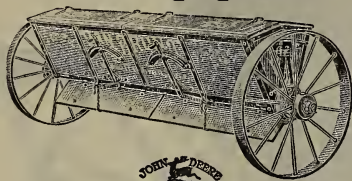
Even Seeding in Furrows of Uniform Depth. No Ground or Seed Wasted.

The drill that puts any seed, from alfalfa to bearded oats, at the bottom of furrows of even depth, without choking up and failing to sow part of the field

or planting too much in other parts. All grain is ready for harvest at one time. Any standard fertilizer is handled by the Van Brunt just as accurately as seed. Send for Booklet.



## Van Brunt Lime and Fertilizer Sower with Oscillating Agitators



The Van Brunt Lime and Fertilizer Sower is built in the standard size to cover eight feet of ground, with a carrying capacity of ten bushels. For strength, durability and simplicity it is unexcelled.

This sower has 36-inch steel wheels with staggered spokes, heavy wide rims, removable dust-proof boxings, and compression grease cups with chilled wheel bearings.

The hopper is exceptionally strong, of selected well-seasoned matched lumber; steel ends with angle steel corners, thoroughly braced; close-fitting covers and removable screens.

Send for Booklet

## STANDARD NONPAREIL LIME AND FERTILIZER SOWER

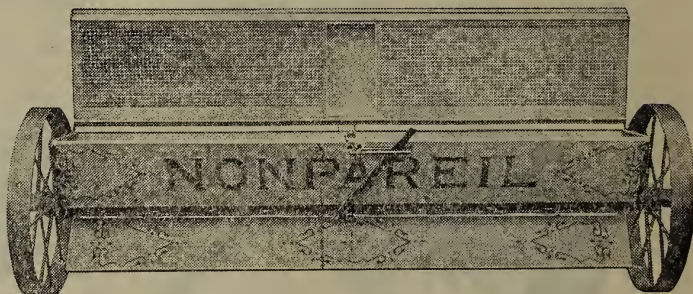
The Standard Nonpareil is simple in construction and operation.

It will sow a large variety of material, distributing air-slacked, hydrated or ground lime, ashes, plaster, fertilizers, bone, potash mixtures, cottonseed, nitrate of soda and acid phosphate.

Each machine equipped with screen which automatically screens the material while filling the box.

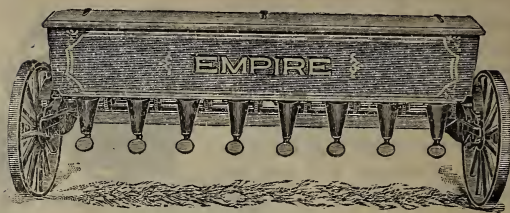
It can be quickly and easily adjusted to distribute evenly and accurately any quantity from 100 lbs. to 3,000 lbs. per acre.

Positive force feed—Sows 8 feet wide—hopper holds about 9 bushels and is 28 inches high.



Standard Nonpareil Lime and Fertilizer Sower

## Empire Broadcast Fertilizer Sower



The Empire 8-foot Broadcast Fertilizer Sower is especially designed for sowing a large quantity of lime or fertilizer per acre.

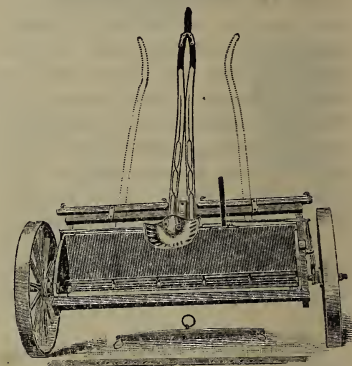
It has a positive force feed, which insures accuracy in the quantity sown.

The scattering tubes are constructed so as to deliver the fertilizer or lime in an even sheet over the ground.

The capacity of the Empire, as regularly equipped, is from 150 to 1,400 quarts of fertilizer; from 375 to 1,500 quarts of lime per acre. We can furnish gears that will sow a greater or lesser quantity if desired.

## Stevens Fertilizer Sower

This sower combines strength, simplicity and durability. Will sow all kinds of fertilizers either broadcast or in rows. Equipped with Lang Gauge giving approximate amount sowed per acre.



	Size	Capacity	Weight
One horse,	5 ft. 10 in.	9 bu.	400 lbs.
Two horse,	8 ft. 3 in.	9 bu.	510 lbs.

Circulars and Prices on Application.



## Features That Characterize the Dain Vertical Lift Mower

**Compensating Gears**—That remove strain from the bearings and transmit instead of consume power.

**Long Pitman Shaft**—That has all end thrust removed, hence has no need of thrust bearings.

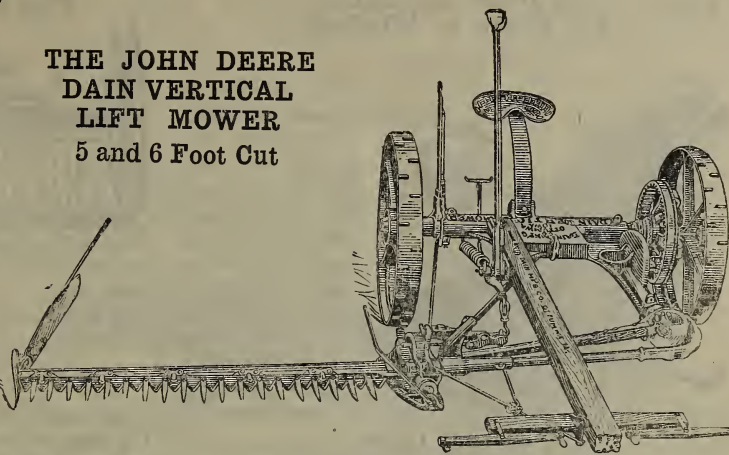
**Alignment of Cutter Bar**—Seldom necessary, but easily, quickly and positively made.

**Centering the Knives**—So that they always register perfectly in the guards, insuring perfect work.

**Vertical Lift**—A lift so easy to operate, an ordinary boy handles it readily.

**An Easy Foot Lift**—So easy it's surprising, especially after using other kinds.

## THE JOHN DEERE DAIN VERTICAL LIFT MOWER 5 and 6 Foot Cut



**Adjustable Draft Hitch**—Instantly set to remove side draft in the most severe conditions of work.

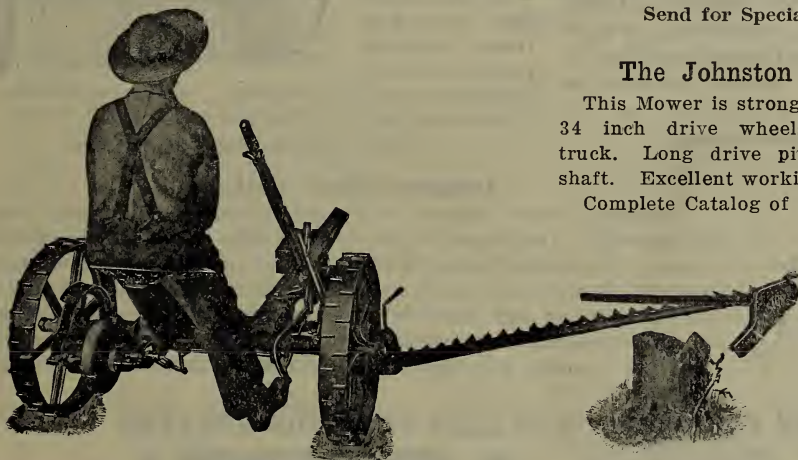
**Material and Workmanship**—Of the known Dain standard proven by service reliable and trustworthy.

Send for Special Descriptive Booklet.

## The Johnston Lever Fold Mower

This Mower is strong, durable and very light draft, 34 inch drive wheels. Roller bearings. Wide truck. Long drive pitman. Long horizontal crank shaft. Excellent working foot lift. Convenient levers.

Complete Catalog of Johnston Machines on request.



No. 12—5-ft. Two-Horse Mower.

No. 14—6 and 7 foot Two-Horse Mower.

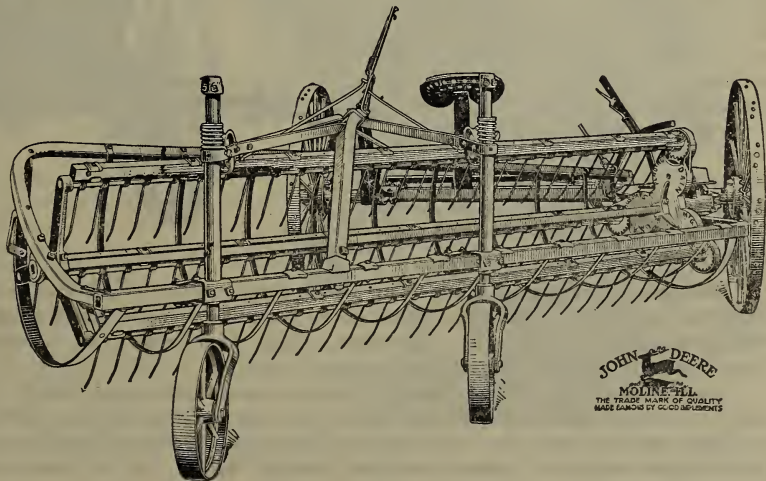
Showing Ease of Handling Johnston Lever Fold Mower in Passing Over Obstruction

## Dain Side Delivery Rake

The Dain Side Delivery Rake has a frame of strong steel construction giving great durability. Has strong steel raker teeth sufficient to rake and deliver the heaviest crop of hay, also having perfect flexibility when striking an obstruction.

No farmer cutting a quantity of hay can afford to be without one, especially if using a hay loader.

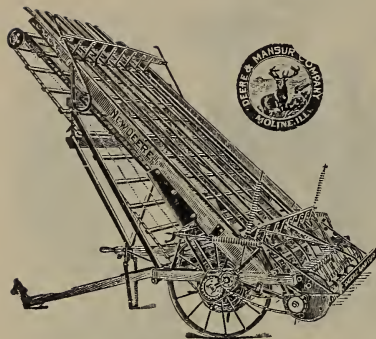
Leaves the hay in a long, continuous windrow in the very best condition for curing. Will shake water from grass in as satisfactory way as a tedder. Let us send you booklet giving full description and prices.



JOHN DEERE  
MODERN  
THE TRADE MARK OF QUALITY  
MADE IN AMERICA BY J. I. CASE & SONS

## New Deere Hay Loader For Swath or Windrow

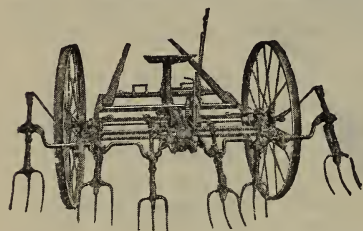
### An Economy



### A Desirable Loader

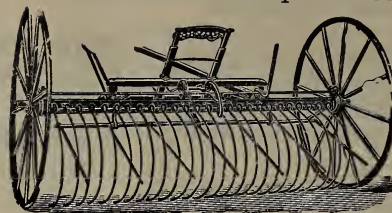
The most desirable hay loader is the one that combines to the greatest degree durability, capacity, and efficiency. This describes the **NEW DEERE LOADER** in a nut shell. It is very durably constructed, yet light in weight, will pick up any quality and condition of hay either from the swath or windrow and do it as clean as any rake.

Send for Full Descriptive Catalog.



When hay is grown in any quantity the saving in time, labor, and quality of product effected by a hay loader will often wipe out the purchase price the first year used and thereafter become a source of clear profit.

## New York Champion Wood Rake



For years the New York Champion Rake has been the best known and most successful wood rake in this locality. We would certainly recommend the above to our customers who do not desire a steel rake.

It is carefully and substantially built, and nothing but the best of material is used in its construction.

Send for Circular

### Johnston Steel Rake

All steel, but the combination pole and shafts. Double hub steel wheels, angle steel frame with truss. Long flat pointed teeth.



Light draft and clean working. Strong and durable.

Furnished in 8, 9, 10½ and 12 ft. sizes.

Prices and Circulars on Request.

### Johnston Steel Tedder

Johnston all-steel Tedders are strong and durable, and work most satisfactorily. The frame is steel, the wheels are steel and double hubbed. Three sets of roller bearings on the main shaft insure its light running. Three tined crucible forks are used; the spring on the fork is located behind it, and does not come in contact with the hay and get tangled in the rod and spring. Another feature is the spring balance tilt. The Johnston is equipped with combination pole or shafts. Made in 6 fork size.

## IRON AGE FOUR-ROW, 55-GALLON TRACTION SPRAYER

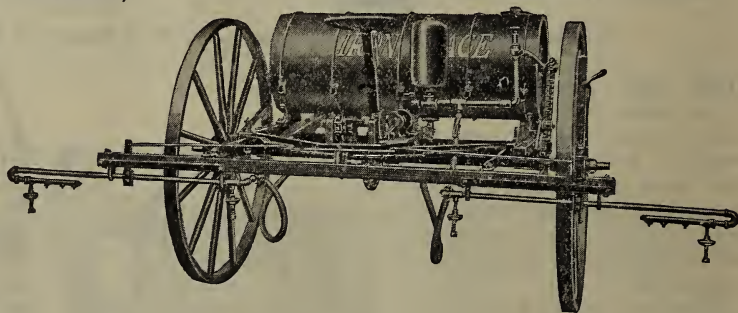
Prevent blight by spraying and also increase the yield enough to pay for machine, solutions and labor in a short time. This is the kind of insurance that saves your crops (and nothing else will) and gives you a handsome profit besides.

Spray for bugs in the quickest, surest way. That means, use the right solutions, at the right time, and put them on with four- or six-row machines that save your time and do the work thoroughly.

**Most successful of their kind.** This line is the result of ten years of experience making such machines and we do not hesitate to recommend them as the most successful of their kind for more than ordinary reasons—they have capacity, power and adjustment to suit your crops (and nothing else will) and gives you a hand-made, and every modern convenience for easy working.

**Equipment.** Double-acting pump, 55-gallon wood tank, wood wheels, 50x3 inches and adjustable on the axle for various width rows, regular spray bars, combination pole and thills.

Pipe, fittings, hose, etc., are made of the highest grade of material, as are all parts on the sprayers. Each sprayer includes a bucket strainer. Packed weight, 700 lbs. Descriptive folder and price on application.



No. 102 E D



# SILVER'S "OHIO" LIGHT DRAFT SILO FILLERS WITH SUCTION BLOWER

NO. 40 4 to 6 H. P.

No. 60 6 to 8 H. P.

No. 90 8 to 10 H. P.

Gasoline, 3 to 5 Tons an Hour.  
Direct Drive. Drive pulley, cutting cylinder and fan wheel all on main shaft utilizes every ounce of power.

Gasoline, 5 to 7 Tons an Hour. Gasoline, 7 to 10 Tons an Hour.

Fill Highest Silos With Ease

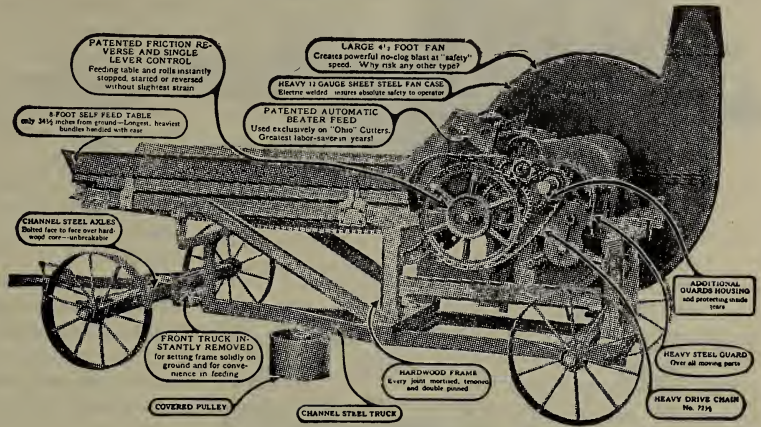
**Patented Friction Reverse.** By the use of a single lever all moving parts except knife cylinder, can be instantly stopped, started or reversed without the slightest strain. Not a gear tooth changes mesh in reversing—a remarkable feature.

**Accessibility.** Knives and cutter bar can be readily removed for sharpening or replacement without disturbing other parts. Experienced user will appreciate this advantage. The single lever control can be reached from almost any position around the machine.

**Patented Knife Adjustment.** This feature insures perfect cutting, which is just as essential to good silage as keeping the silo air tight. Uneven, imperfect cutting prevents close packing, causing air pockets and spoiled silage.

**No. 40**—Ohio Blower with traveling feed table; with 9-inch throat, two knives and curved elbow for top of pipe, not mounted. Weight, 790 lbs.

**No. 60**—Ohio Blower with traveling feed table; with 11-inch throat, two knives and curved elbow for top of pipe, not mounted. Weight, 835 lbs.



Showing Machine Mounted

Special Features of No. 40, No. 60 and No. 90

**No. 90**—Ohio Blower with traveling feed table; with 13-inch throat, two knives and curved elbow for top of pipe, not mounted. Weight, 900 lbs.

**No. 805**—Truck for mounting above machine; weight 360 lbs.

6-Inch Galvanized Blower Pipe for No. 40 Machine in 4 and 6-foot lengths, weight 2 1/4 lbs. per foot.

7-Inch Galvanized Blower Pipe for Nos. 60 and 90 Machines in 4 and 6-foot lengths,, weight 2 3/4 lbs. per foot.

Write for prices.

## Johnston Continental Corn Binder



**Built for Business.** Light, compact construction. Steel frame, wheels and beams. Light draft with no side draft. Large main drive wheel, gaining power. Roller bearings. Only machine with automatic gates. Two horses will handle the machine.

Send for Special Booklet

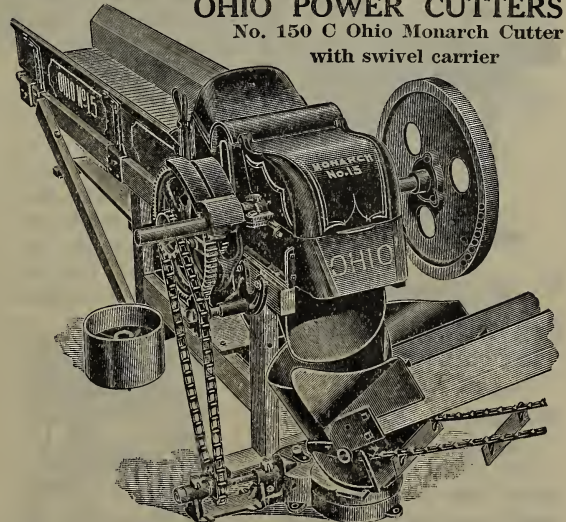
## Johnston Continental Grain Binder

Strong, Durable, Efficient

Steel construction. Main drive wheel 36 in. giving great power. Roller bearings in both wheels greatly reducing draft. A trip that will never repeat and a knoter that always ties. Sold under a positive guarantee. Special Booklet on Request

## OHIO POWER CUTTERS

No. 150 C Ohio Monarch Cutter with swivel carrier



**No. 11S4** Plain Table, 11 inch knife, weight 445 lbs.

**No. 11SS4** Self-Feed Table, 11 in. knife, wght. 600 lbs.

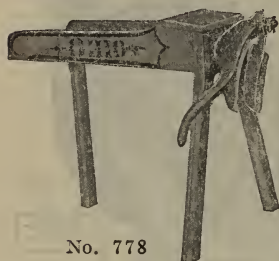


No. 100C Self-Feed Table, 12 in. knife, wght. 1260 lbs.  
 No. 150C Self-Feed Table, 15 in. throat, weight 1280 lbs.

Nos. 11S4 and 11SS4 furnished with straight or reversible open carrier.

Nos. 100C and 150C furnished with swivel open carrier.

### Ohio Lever Cutter



No. 778

### Pony Hand Feed Cutter

The Pony Cutter, as illustrated below, is strictly a hand machine.

A bushel of hay can be cut in thirty-five seconds. Cuts all kinds of feed. Only high-grade material is used, and makes it a strong and efficient cutter.

No. 783. One 11 1/4 in. knife cut 1/2 to 2 in. weight 165 lbs.

The "Ohio" Lever Cutter will cut hay, straw, corn stalks and every kind of feed. It is equipped with one 11-in. oil-tempered knife; also provided with a guard plate, adjustable to vary the lengths of cut.

It is nicely finished, of pleasing design, strong and durable.

No. 778 "Ohio" Lever cutter, weight 55 lbs. \$9.00



No. 783

### \$24.00 "Ohio" Hand Cutter

The No. 8 1/2 "Ohio," as illustrated below, is built along the same general lines as the power cutters. It has great capacity, is strongly built, and is a high-class cutter in every way.

No. 8 1/2 K2. With two 8 1/2-inch knives. Cuts 1/2, 3/4, or 1 1/2 in. Weight, 165 lbs. \$33.00



No. 8 1/2 K2

### Full Descriptive Catalog on Ohio Cutters on Request

### Champion Root and Vegetable Cutter

Will cut all kinds of roots, either fine for sheep, or much coarser for cattle. Guaranteed to cut one bu. per minute. Price, \$8.50



Champion

### Ohio "Rapid" Root Cutter and Pulper

The knives are double-edged and reversible, one being straight, for slicing, the other edge being grooved, thus dividing it into separate bits for pulping.

The knives are adjustable to the cutting plate, which is to gauge the thickness of the slices and to counteract wear in the knives.

Capacity—Capacity per hour, slicing or pulping, hand, 30 bushels power, 125 bushels.

Pulley—Size of pulley for power, 10x4 in. Weight, 215 lbs., with pulley. Size and price:

No. 832 Root Cutter and Pulper, 6 knives, for hand \$33.00  
 No. 832 Root Cutter and Pulper, 6 knives, for hand or power 36.00



No. 832

"Something to Crow Over"



### AND Queen Poultry Mash

Makes 'Em Lay  
 Makes 'Em Pay

### Water Ballast Lawn Roller



Ball Bearing, Light Running, Round Edge Drums  
 No tearing up of sod.  
 Can be filled with either water or sand.

No. 603 24 in. in diameter, 24 in. long, one section, weight empty, 100 lbs.; filled with water, 440 lbs.; filled with sand, 630 lbs. Send for prices.

All Prices Subject to Change Without Notice



There is probably no implement so well known in potato-growing sections as the Hoover Elevator Potato Digger. In Aroostook County, Me., where more potatoes are grown than any other section in New England, and where a potato digger gets a severe trial, the Hoover has given perfect satisfaction. Its success can be attributed to the fact that it was built to withstand most trying conditions.

It hardly seems necessary to go into detail regarding its points of merit, for its success is guarantee enough for its superiority in design, construction and efficiency in the field.

We do wish to call particular attention to the vine separator used on the Hoover, which delivers the vine, weeds and trash to one side of the row, leaving the potatoes exposed to view and readily accessible.

Send for descriptive catalogue which contains convincing testimonials from most enthusiastic purchasers.

## CULTI-PACKER

Combination double gang pulverizer, roller, packer and clod crusher. It will serve all these purposes, as well as level the soil, leaving the small ridges loose, fine and mellow.

An increase of crops is guaranteed if used before and after seeding, and we claim this is the best implement made for preparing the seed-bed.

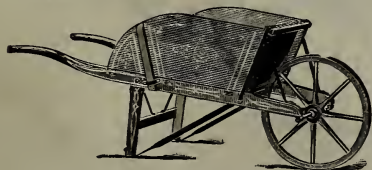
Send for descriptive matter and prices.

## SYRACUSE GARDEN BARROWS

For twenty-five years Syracuse Wheel Barrows have been recognized as "Standard."

The careful methods used in the manufacture of Syracuse Plows are just as thoroughly observed in the building of Syracuse Wheel Barrows. Materials are selected, manufactured and assembled with the constant purpose ever in mind of combining lightness with strength and convenience with durability.

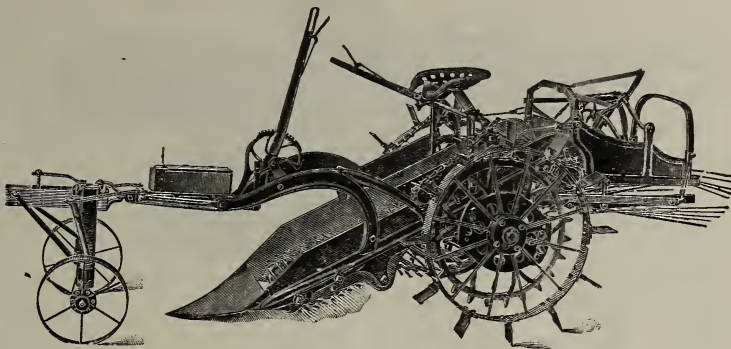
Syracuse Barrows are, moreover, attractive in design and nicely finished.



The frame is made of well-seasoned ash, with three cross-bars mortised into the handles. The bottom boards are set into the rear crossbar, which prevents splitting at the ends. Strongly braced throughout. Handles, legs and wheel are painted red, and sides and front olive.

## Hoover Improved Potato Digger

Write for Prices.



New Steel Slides and Roller Bearings throughout.

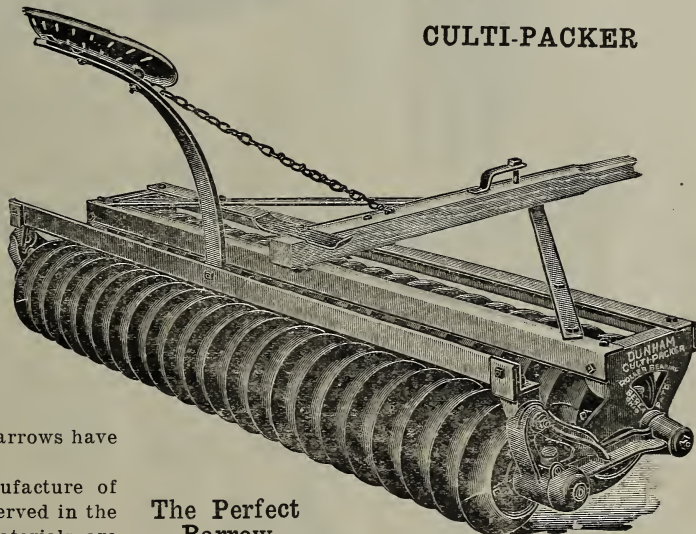
No. 300 Hoover Digger with Rod Elevator.

No. 301 Hoover Digger with Riddle Elevator.

No. 300 Hoover Digger with Rod Elevator, equipped with 4 Horse Power Cushman Engine, screen cooled for operating elevator and vine separator.

Write for Special Catalogues and Prices.

## CULTI-PACKER



## The Perfect Barrow

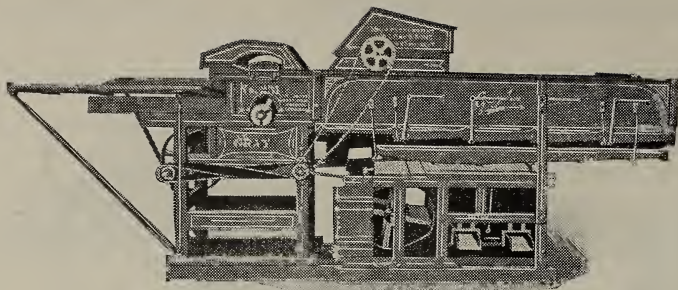
For Conveying Concrete, Mortar, Sand, Gravel, The "Perfect" Cement, Fertilizer, Manure, Etc.

is an end-dumping barrow; has protected wheel and renewable shoes on legs; carries load level and well over wheel; has an extra strong strapped tray, smooth on inside.



In the "Perfect" Barrow, convenience and durability are combined with the rare feature of light weight.

Write for Prices.



## THRESHERS

### Strong, Durable and Efficient

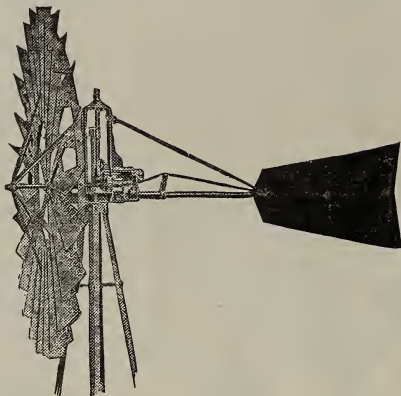
We believe the Gray Thresher with the recent improvements to be one of the most reliable and satisfactory Threshers manufactured.

Furnished in several sizes either mounted or unmounted.

CATALOG ON REQUEST.

## The Freeman Steel Windmill

The Windmill is recognized by everyone to be one of the most efficient and cheapest powers obtainable for pumping water and the large number of these we install every season proves they are very satisfactory to our customers.



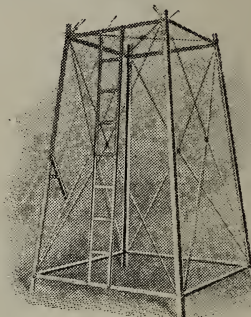
## Freeman 4-Post Steel Towers

This cut illustrates the lower ten feet of our 30-foot, four-foot post angle steel tower. This illustration shows the thoroughness of the bracing employed in the construction of all our towers.

This strong tower is not to be compared with the cheaply built 3 post towers on the market, and we have no hesitancy in guaranteeing it under all conditions. One can hardly afford to take chances with an inferior tower and run the risk of a damaged mill and tower.

**Estimates.**—We will be pleased to estimate cost of water supply where windmills, towers, substructures, pumps and wood or pneumatic tanks are used.

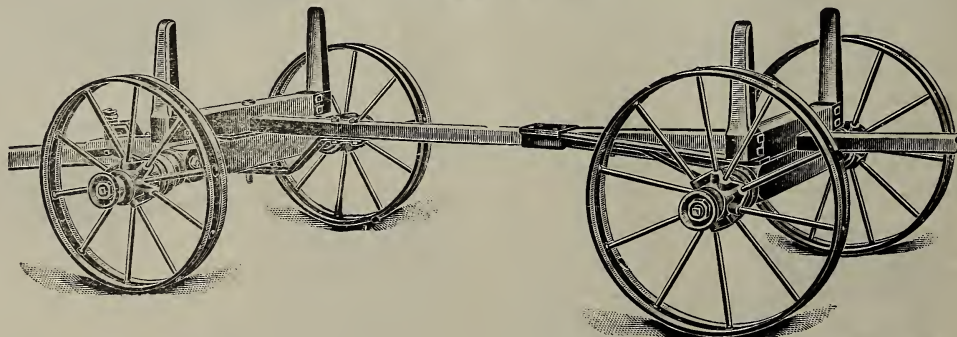
Write for Special Catalogues and Prices



## Binder Twine

We carry the Standard Binder Twine, which has given such excellent satisfaction to the grain raisers. The fibre is long and runs very even. Write for prices.

## NO. 25 STEEL FARM TRUCK



The above cut represents one style in our low-down farm gear. These are especially desirable where one desires a medium priced truck which is both light and strong, and well fitted for common farm purposes.

Full Descriptive Catalog and Prices Gladly Mailed on Request

Unexcelled for use in mounting spraying rigs, saw outfits, engines, etc. We can furnish these fitted with either wood or steel wheels, and they are commonly equipped with 3 1/2 x 10-inch skains and 4-inch tires.

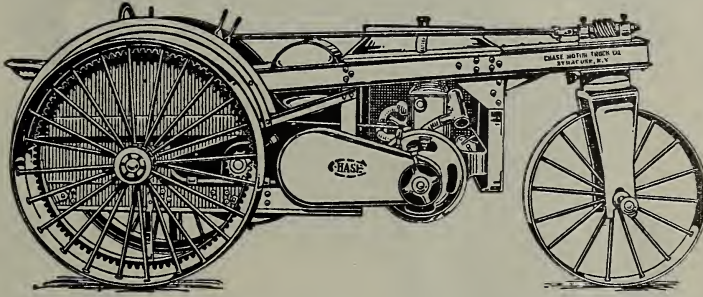


# CHASE FARM TRACTOR

## ONLY TRACTOR THAT TURNS IN A RADIUS OF ITS OWN WIDTH

An individual Jaw-Clutch, engaged directly with the Driving Pinion of each Rear Wheel, is released by pressing a convenient foot-pedal. That particular wheel immediately ceases to drive and becomes a Pivot about which the tractor can be turned at a right angle in a space as small as would be required to turn a team of horses.

This feature is invaluable in working narrow "lands," young orchards and in many other instances where turning space is necessarily limited. It permits short turns to the right or to the left, and is an exclusive feature of CHASE construction, not found in other makes of tractors.



Built in the East to Meet Conditions on Eastern Farms

### Specifications

**Motor.**—Chase Waukesha long stroke, heavy duty type, 4 cylinder, 4 cycle, water cooled.

**Ignition.**—High tension magneto. No batteries.

**Carburetor.**—Automatic float feed.

**Lubrication.**—Automatic splash system and force feed pump—positive lubrication for motor.

**Transmission.**—Chase, two speeds forward, one reverse, sliding gear, in oil-tight, dust-proof case. Running in oil.

**Speed, Miles per hour.**—High,  $2\frac{1}{2}$ ; low,  $1\frac{1}{2}$ ; reverse, 1.

**Clutch.**—Internal expanding shoe located in engine fly wheel.

**Brake.**—Powerful contracting band applied to pinion shaft.

**Dimensions.**—Length, 12 feet; width, 76 inches; height, 58 inches.

**Weight.**—5,000 pounds.

**Frame.**—Angle and channel steel. All joints hot riveted.

**Tank Capacity.**—Fuel tank, 11 gallons kerosene, 2 gallons gasoline.

**Belt Pulley.**—8 inch diameter, 6 inch face; 1,000 revolutions per minute.

**Wheels.**—Front steering wheel 36 inches in diameter, 8 inch face. Equipped with extension wheels, 36 inch face. Rear driving wheels 48 inches in diameter, 12 inch face. Equipped with extension rims, 22 inch face.

**Kind of Fuel.**—Gasoline, distillate and kerosene.

**Cooling System.**—All bronze centrifugal water pump, large shaft and bearings. Enclosed radiator and powerful cooling fan.

**Number of Wheels.**—Two driving in rear, one steering in front; with extensions applied tractor becomes a roller covering the entire ground, 76 inches in width.

**Control.**—Friction clutch, gear shift and brake operated by hand levers. Jaw clutches operated by foot pedals. All conveniently located for the operator.

**Bull Pinion Gears.**—Manganese steel. So tough they can't be machined—so hard they can't be drilled.

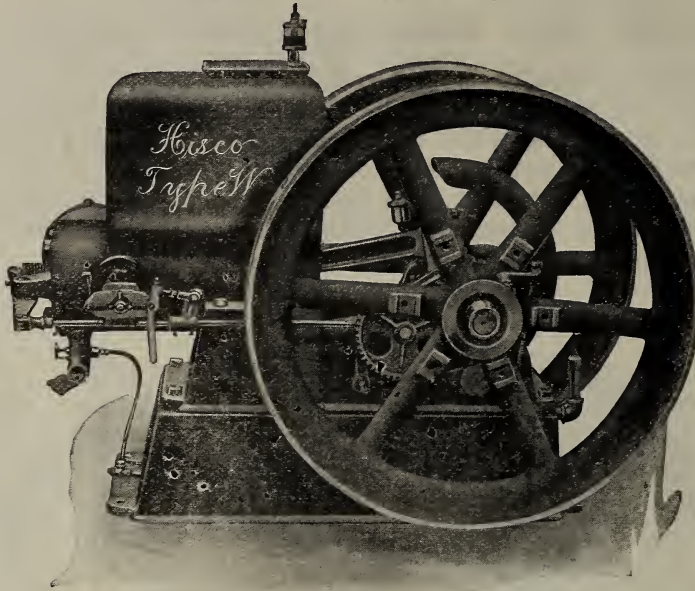
**Plowing Capacity.**—Two 14-inch plows and three 12-inch plows in stubble or favorable soil conditions.

**Harrowing Capacity.**—One  $8\frac{1}{2}$  foot double action disc harrow. Three section spring tooth harrow, and the above equivalent in other types of harrows.

**Belt Power.**—All forms of farm work requiring 16 horse power.

Send for Full Descriptive Literature

## HISCO STYLE "W" GASOLINE ENGINE



### A Standardized Line of High Grade Agricultural Engines Six Sizes Only—1½, 2¾, 5, 7, 10 and 15 h. p.

The Hisco Engine needs but little introduction to the trade. The line has been successfully manufactured for over twenty years. The experience and knowledge gained in design and construction by those who are responsible for the conduct of the business enables the Company to produce a high grade, superior quality engine, which sells at a medium price.

Hisco Engines are built in a modern, up-to-date factory by competent and experienced men. Much of the machinery used has been designed and specially built to enable more economic production.

**Simplicity.** The Hisco Engine is of the side-rod type; all working parts are directly controlled by the Governor; mechanism is such that satisfactory results can be obtained by an inexperienced user. The engine is simple in design, and by studying the Instruction Book which accompanies each engine, a novice can secure good service.

#### Specifications and Mechanical Information Hisco Style Rated "W" Engines

	1½	2¾	5	7	10	15
Horse Power	1½	2¾	5	7	10	15
Speed	550	475	425	350	300	250
Bore	3½	4	5¼	6	7	8⅝
Stroke	4	6	7	8½	11	14
Fly wheel diam.	19½	22	30	37	43	48½
Fly wheel face	1⅝	2¼	2¾	3	3½	3¾
Fly wheel wght.	40	70	150	250	430	625
Diam. of crank	1¼	1½	2	2½	2½	3
Extension of crank for pulley	2	3½	4	6½	6½	7½
No. of piston rings	3	3	3	3	4	4
Size of pulley	6x4	8x4½	14x6	16x7	18x7	24x9
Shipping weight, stationary	275	500	900	1285	2500	3500
Shipping weight, portable	300	570	1100	1500	2900	4000

### WHITNEY GAS HUMIDIFIER

This device will reduce the fuel consumption and carbon deposit of any gasoline or kerosene motor, this being accomplished by vitalizing the mixture with water-vapor supplied by the Humidifier. This instrument will not act as an auxiliary air valve if neglected, neither will it draw road dust. It requires water only, for its operation, and is easily installed.

Price, No. 1 .....\$8.50  
Price, No. 2 .....10.50

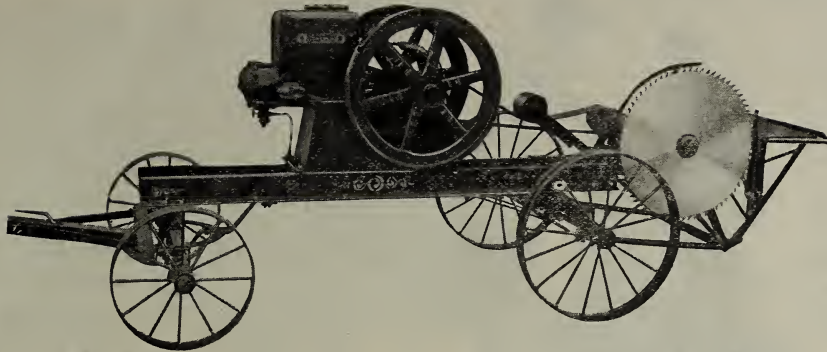
Tubing and fitting included in each carton.

All Prices Subject to Change Without Notice

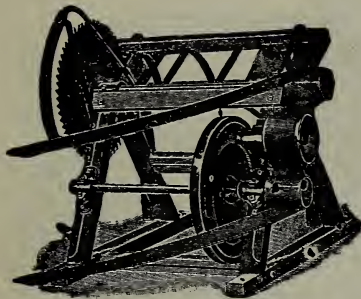




# HISCO TYPE W 2 IN 1 COMBINATION Saw Rig and Truck



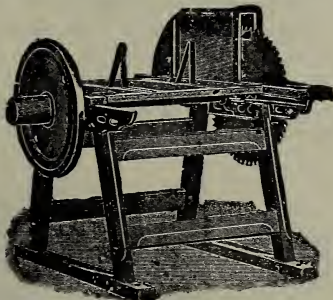
## IMPROVED WOOD AND POLE SAW FRAMES



**TILTING TABLE POLE SAW**  
Weight, 350 Pounds

babbitted bearings, and are fitted with a 95-pound balance wheel. On pole saw frames the connection between the two arbors is made by running belt over idler pulley.

Note. All our Wood and Pole Saw Frames are made right hand, unless otherwise ordered. Weights shown above are for machines without saw blades. Saw blades weigh about as follows: 20-inch, 8 lbs.; 22-in., 10 lbs.; 24-in., 14 lbs.; 26 in., 17 lbs.; 28-in., 20 lbs.; 30 in., 24 lbs.



**SLIDING TABLE WOOD SAW**  
Weight, 300 Pounds

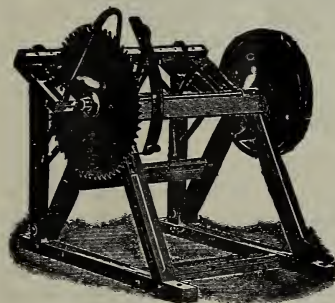
### Prices of Tables without Saws

Tilting Table Wood Saw .....	\$32.75
Tilting Table Pole Saw .....	43.75
Sliding Table Wood Saw .....	38.50
Sliding Table Pole Saw .....	49.00
Iron parts only for Tilting Table Wood Saw Frame .....	23.75

All Prices Subject to Change Without Notice

The tilting table is pivoted so that it balances perfectly and is easy to handle. The sliding table is fitted with grooved rollers, which run on a "V"-shaped track, and is very easy to operate. The arbors are true and heavy. They run in long,

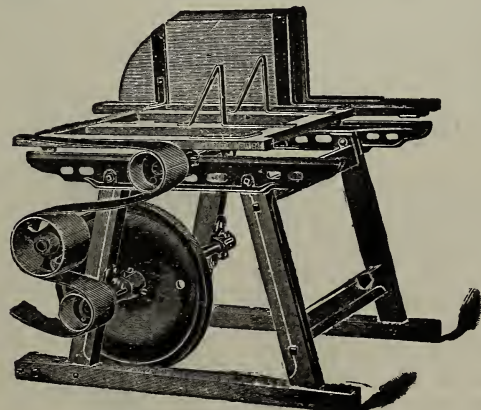
Simonds' Celebrated Circular Saws	Price
24-inch, set and sharpened .....	\$15.75
26-inch, set and sharpened .....	18.75
28-inch, set and sharpened .....	21.75
30-inch, set and sharpened .....	24.50



**TILTING TABLE WOOD SAW**  
Weight, 275 Pounds

Pole saw frames have the balance wheel on a separate frame below the table, so that they can be used for sawing long poles as well as cord wood. We make both styles of these machines with either tilting or sliding table.

Illustrations show our various styles of Wood and Pole Saw Frames. These are substantial machines, well made and of good materials throughout. Wood saw frames have the balance wheel on the saw arbor, and are intended for sawing cord



**SLIDING TABLE POLE SAW**

## The New Sharples Suction-Feed Tubular Cream Separator

Since the beginning of the centrifugal separator, its one great province has been to save. Save cream, save butterfat, save the warmth, freshness and value of skim-milk, save labor, save quality of produce, always saving. What it saves is its value. It has no other value.



The New Sharples Suction Feed Separator is the only one which automatically adjusts the flow of milk to the separating force. It simply sucks in enough milk so that the speed of the bowl can take care of it. In this way, it makes little difference whether you turn the crank under speed or above speed, you will always get a dead clean skim. Just set cream screw and the cream will contain exactly the same percentage of butterfat.

There are many other advantages in using the New Sharples. The supply can, for instance, is only 24 inches above the floor, so that it is easy to fill from the milk can. The Tubular bowl contains no discs or other contrivances which are hard to wash and hard to keep clean. The New Sharples is easy to turn, because you can adjust the speed according to your strength.

The New Sharples is thoroughly described and illustrated in our new catalog, and we will be very glad to have you ask for a copy.

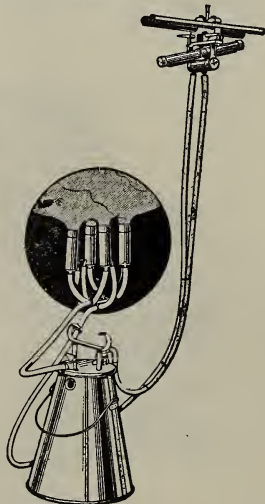
Every man keeping a fair sized dairy should be interested in this milker for the following reasons:

First—The cost of milking cows can be reduced seventy-five per cent., or you can milk four times as many cows with the same number of men.

Second—One operator and one boy, to milk and assist, can properly milk one hundred cows in less than two hours, giving independence from hired help in case of necessity.

Third—The improvement in the cow's condition, resulting from the thorough, quick, gentle

### The Sharples Mechanical Milker



and regular work of the milker will induce an increased milk production.

Fourth—A far purer product; lower bacterial count and more valuable milk is assured, because all stable air is entirely excluded and the milking parts are so easily and thoroughly cleansed.

These statements are based on close and extended observation of large numbers of these milking machines in actual operation, under widely varying conditions for long periods of time.

Send for Catalog and Detailed Information

## CHATHAM CLEANING, GRADING AND SEPARATING MILL AND BAGGING ATTACHMENT



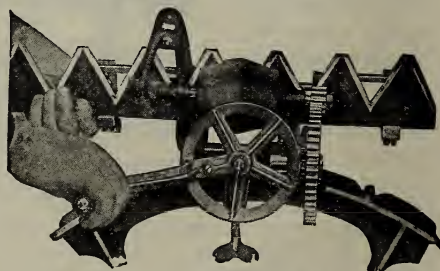
Capacity  
Power

60 Bushels Per Hour

Easy to Run by Hand. Boy Can Run It

Attachment to run by power, if you want it. The Bagger is adjustable. Can be attached or detached in an instant. No Screws, Bolts or Nails to contend with, simply throw off the drive chain, place foot upon board which connects Bagger to Mill at the bottom, then lift up the Mill and the Bagger is detached.

### Karbo Knife and Tool Grinder

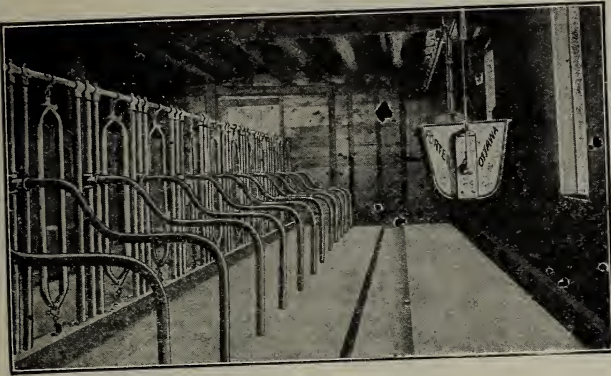


Grinder is convenient for use in field as it can be readily attached to mower wheel by thumb-latch which holds grinder in position. This grinder does its work perfectly, lever gives operator perfect control so that nicks can be ground out and shape of stone insures sections being ground with their original bevel. This grinder can also be furnished on special order as a foot power machine.



# PORTER PERFECT BARN EQUIPMENT

We are in a position to furnish complete barn Outfits of the most improved type including Stalls, Stanchions, Hay and Litter Carriers, Water Basins, Mangers, etc. Estimates and information gladly given and if building new or rebuilding your old barn will furnish without charge Blue Prints giving most improved construction.



## Porter Steel Stanchions

These Stanchions are made of high carbon U-bar steel and are amply strong. The lock is simple and positive in action. Can furnish with wood lining if desired, also small size for calves and extra heavy for bulls.



Closed

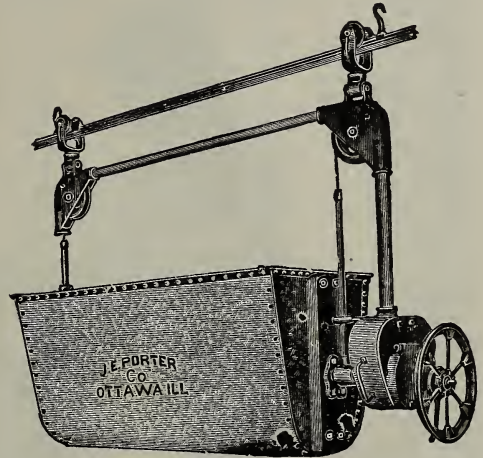
Open

## Buckley's Watering Device



No. 3 Stanchion Basin

Illustration shows the general application of this system, but a brief description will be necessary to demonstrate its importance, usefulness and simplicity. On application we will mail descriptive catalog with testimonials, etc.



## The Porter Litter Carrier

Shown above is a high-class machine, built for heavy service. The tub is four feet long and two feet wide, with a capacity of 12½ cubic feet, or 800 pounds of wet manure. It is built of heavy, galvanized steel, reinforced with rolled steel angle one inch wide all around the top and along the end seams. Most perfect lifting device found on any Carrier. Furnished with chain hoist if desired.

Send for full descriptive catalogue.

On your Implements depends your profits. One faulty implement may cause the loss of your entire season's work. When you buy implements you cannot afford to gamble. Be sure that you buy Implements which will deliver Full Performance. Every implement we carry bears a trademark which assures the best of material and workmanship. They are adapted for use in this section. You take no chances of loss when you buy farm implements from us.

Another point worth your consideration is that our interest does not cease with sale, as is the case with houses outside the State. We expect to sell you in years to come, and we realize that you must be SATISFIED if we are to retain your business. Your interests are our interests.

Our repair department in charge of competent men is ready to render prompt and efficient service when you need it most.

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# SHARPLES SUCTION FEED SEPARATOR

Skims Clean at Any Speed

Gets All The Cream

Increases Your Cream Check



## REASONS WHY MILLIONS OF FARMERS USE the SHARPLES:

Easy To Clean—Simple Bowl—No Discs To Wash  
Knee-Low Supply Tank—Automatic Oiling System, Oil Once a Month Only

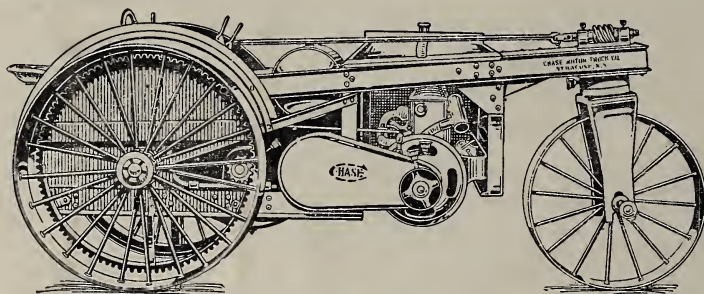
**WRITE FOR FULL DESCRIPTIVE CATALOG**

# CHASE FARM TRACTOR

The Only Tractor That Turns in a Radius of Its Own Width

An individual Jaw-Clutch, engaged directly with the Driving Pinion of each Rear Wheel, is released by pressing a convenient foot-pedal. That particular wheel immediately ceases to drive and becomes a Pivot about which the tractor can be turned at a right angle in a space as small as would be required to turn a team of horses.

This feature is invaluable in working narrow "lands," young orchards and in many other instances where turning space is necessarily limited. It permits short turns to the right or to the left, and is an exclusive feature of CHASE construction, not found in other makes of tractors.



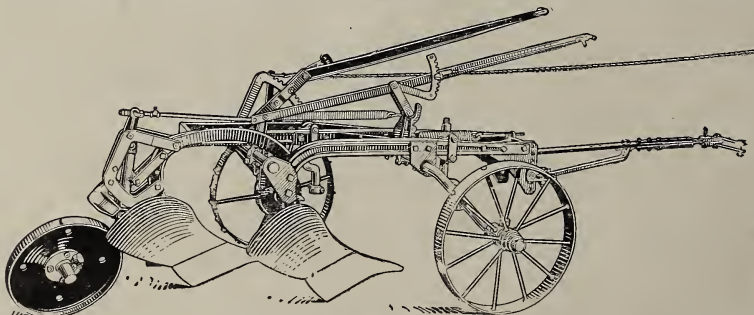
Built in the East to Meet Conditions on Eastern Farms

## Note these John Deere Tractor Plow Features:

They can be used with any standard tractor—hitch and depth control levers are adjustable to suit the tractor.

The bottom is the heart of the plow—all the rest of the plow is built merely to enable the bottom to do its work. The right kind of a plow bottom makes money for the owner. It lays the foundation for the right kind of seed bed. The crop yield is increased. The plow lasts longer and pulls lighter—a saving in actual cost, power and trouble. The bottom on every John Deere plow is correctly designed. John Deere plow success is due to bottom construction.

## JOHN DEERE TRACTOR PLOW



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